第6版

奈特 人体解剖学彩色图谱

NETTER'S ATLAS OF HUMAN ANATOMY



主 编 Frank H. Netter, MD
主 译 张卫光 MD, PhD
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人民卫生出版社
PEOPLE'S MEDICAL PUBLISHING HOUSE

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奈特

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第6版

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人民卫生出版社

图书在版编目(CIP)数据

奈特人体解剖学彩色图谱/(美)奈特(Netter,F. H.)主编;张卫光译.—北京:人民卫生出版社,2015

ISBN 978-7-117-21029-4

Ⅰ.①奈… Ⅱ.①奈…②张… Ⅲ.①人体解剖学-图谱 Ⅳ.①R322-64

中国版本图书馆 CIP 数据核字(2015)第 148219 号

人卫社官网	**www. pmph. com**	**出版物查询，在线购书**
人卫医学网	**www. ipmph. com**	**医学考试辅导，医学数据库服务，医学教育资源，大众健康资讯**

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图字：01-2015-0439

奈特人体解剖学彩色图谱

主　　译：张卫光
出版发行：人民卫生出版社（中继线 010-59780011）
地　　址：北京市朝阳区潘家园南里 19 号
邮　　编：100021
E - mail：pmph @ pmph. com
购书热线：010-59787592　010-59787584　010-65264830
印　　刷：北京盛通印刷股份有限公司
经　　销：新华书店
开　　本：889×1194　1/16　　印张：42
字　　数：1301 千字
版　　次：2015 年 8 月第 1 版　2015 年 8 月第 1 版第 1 次印刷
标准书号：ISBN 978-7-117-21029-4/R・21030
定　　价：280. 00 元
打击盗版举报电话：010-59787491　E -mail：WQ @ pmph. com
（凡属印装质量问题请与本社市场营销中心联系退换）

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Atlas of human anatomy, 6e
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ISBN: 978-1-4557-0418-7
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Authorized Simplified Chinese translation from English language edition published by the Proprietor.
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Elsevier(Singapore) Pte Ltd.
3 Killiney Road
#08-01 Winsland House I
Singapore 239519
Tel: (65)6349-0200
Fax: (65)6733-1817

First Published 2015
2015 年初版

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第 6 版中文译者序

“新”

2014 年的《奈特人体解剖学彩色图谱》(第 6 版)是专为纪念 Frank H. Netter 的首版 25 周年而出版发行的,这是一部有特殊意义的新书。第 6 版图谱仍遵循以全新的插图和现代影像学图像为特色,并首次在每章节的最后呈现了本章所涉及的肌肉汇总表,还更新了人体解剖学专业名词,旨在为临床医生、医学生和学习者更好地掌握复杂的人体解剖结构提供帮助。

“奇”

Frank H. Netter 博士是一位奇人。他不但拥有丰富的医学知识,还有深厚的绘画功底。Frank H. Netter 独特的视角是无与伦比的,他不仅拥有一双医学绘图大师的手和一名医生的大脑,同时还是一位描绘人体灵魂的艺术家。

在图谱中,他用神奇的画笔,将人体的结构以七个部位和九大系统为主线栩栩如生地展现出来,其绘画艺术之高超、设计之新颖、构思之奇妙、主题之鲜明、寓意之深刻,堪称神奇。每一幅图所呈现出的美,都是人体解剖结构与艺术的完美结合。因此,Frank H. Netter 博士及其继承者所绘编的《奈特人体解剖学彩色图谱》注定是一本奇书,值得拥有。

“特”

相对于数百年的近现代解剖学发展史而言,25 年的确短暂,但《奈特人体解剖学彩色图谱》却用 25 年成就了一部全球学习解剖学课程和进行实地解剖操作的难得好书。本版图谱秉承鲜活的色彩和独特的临床应用视野,所呈现的人体解剖结构细致入微,绘图角度独具特色,不仅适合于医学生的人体解剖学学习,还对医学临床工作,尤其是微创腔镜手术下的解剖及影像解剖有很强的指导意义。

特别感谢人民卫生出版社将本版图谱展现给广大的中国医学生和医务工作者,同时也给予了我们北京大学解剖团队一次宝贵的学习机会。特别感谢国内外的解剖同仁,尤其是王怀经教授和徐群渊教授等解剖前辈给予的支持和帮助。而我们在翻译中坚持保留了每幅图的整体效果和英文结构名称,力求在最合适的位置穿插中文,但翻译成稿时间仓促,尽管译者力图精益求精,其中难免有不当或错误之处,恳请广大读者批评指正。

1991 年,Frank H. Netter 博士与世长辞,《奈特人体解剖学彩色图谱》是他留给我们的一份了解自身解剖结构的最特别礼物。

张卫光　周长满

2015 年 2 月 15 日　北京

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机体的解剖结构自身当然没有改变，但我们对解剖的理解及其临床意义，会时时更新变化。

—Frank H. Netter, MD

无论你正在使用奈特人体解剖学图谱的印刷版或是电子书、在线查看或应用奈特人体解剖学图谱的 iPad 应用程序——这都是奈特博士所精心绘制的《奈特人体解剖学彩色图谱》第 6 版的首次出版。第 6 版的发行标志着 Frank H. Netter 的《奈特人体解剖学彩色图谱》首版的 25 周年纪念——其鲜活的色彩和独特的临床视野，使其成为学习解剖学课程、进行实地解剖操作和全球临床专业机构所必备的指南——也使 Frank H. Netter 成为了世界上最具影响力的医学教育家之一。

解剖学作为医学健康教育的基石，往往是第一批医疗或保健课程之一。解剖学同样也是临床实践应用的核心，从体格检查到影像学检查，再到外科手术和内科康复。然而，在过去的 25 年里，解剖教学和临床应用均有了显著的改变，在医学和健康卫生类的课程中，整合了越来越多的解剖内容，但人体解剖学的专用学时数却在下降。有些培养项目已经不再进行全身的解剖。随着影像技术的进展，可提供更加清晰的在体解剖学图像，3D 的解剖模型也在持续地发展中。同样，人体解剖学图谱也在随之发生着改变。得益于临床解剖学家和解剖学教育专家的大量指导，以及天才的医学绘图师的贡献，第 6 版《奈特人体解剖学彩色图谱》以全新的插图和现代影像学的图像为特色，为医学生提供了最新的临床意义和临床视野，以阐明复杂的解剖结构关系。本版图谱中，首次在每章节的最后呈现了本章所涉及的肌肉汇总表，为临床医生、学生和教育工作者能够在短时间内快速查找附录提供便利。此外，本版人体解剖学图谱中的所有文本，根据最新版的国际解剖学工作者联合会(International Federation of Associations of Anatomists, IFAA)的国际解剖学专业名词联合会(Federal International Program for Anatomical Terminology, FIPAT)所制定的解剖学专业名词，进行了细致地更新。

Frank H. Netter 独特的视觉角度是无与伦比的，奈特博士不仅带给我们一只医学绘图大师的手，还有一个医生的大脑和一个描绘人体灵魂的艺术家。这 25 周年庆祝版便是深受其教诲和启迪的延续。

我们希望听到您关于解剖教育、医学和奈特遗产的历史和未来的声音，并诚邀您通过电子邮件与我们分享和反馈您的想法、鼓励、回忆和悼念。NetterAppFeedback@ elsevier. com 和 Facebook：www. facebook. com/NetterImages





致我亲爱的妻子 Vera

第 1 版前言

我常说,在我医学艺术近 50 年的职业生涯中,从某种感觉上说,是来源于我曾经热爱并追求的医生职业。在过去的日子里,我已经绘制了近 4000 幅插图,其中绝大部分是为《CIBA 医学画集》(现为《奈特医学图集》)而绘制的,另外也为《临床专题论文集》绘制了部分插图。这些插图包括了各个医学学科,如人体解剖学、组织学、胚胎学、生理学、病理学、外科学,以及诊疗器械、治疗技术和各种疾病的临床症状等。近年来,医务卫生工作者和医学生们越来越希望我能绘制一本纯粹的人体解剖学图谱。因此,出版这本图谱绝不是仓促决定,而是一如我以前所做的工作,为了医学职业的需要。

在这些年我绘制的所有插图中,选择出与人体解剖学相关的部分插图,根据人体的系统和分部进行分类和编排,为适应版面的实际大小和空间进行了重绘,并按照逻辑进行了排序,终成本图谱。机体的解剖结构自身当然没有改变,但我们对解剖的理解及其临床意义,会时时更新变化。

因此,为了更加适合当今医学和临床外科学发展,许多插图需要修改甚至重新绘制。另外,我认为之前绘制的部分插图在表达医学寓意方面存有不足之处,为此更应该绘制一些新的插图。

绘制这样的图谱,其关键之处就在于对难易繁简的适度把握。如果图片太过复杂,它就可能很难理解,甚至感到困惑混乱;如果太过简单,就会无法充分表达主题,甚至会误导读者。我希望广大的医疗卫生工作者和医学生能够充分感到这本图谱既易于理解,又具有指导作用和实用价值。

我和出版商共同想到的一点是,本图谱的前言应该由一位真正的著名解剖学家撰写,但是可选的专家实在很多,我们难以选择。很遗憾的是,我们邀请的 Vesalius, Leonardo da Vinci, William Hunter, Henry Gray 等均未能如愿,我真的很想要知道他们对于这本图谱的看法。

Frank H. Netter, MD

(1906—1991)

Frank H. Netter, MD

奈特博士于 1906 年出生在纽约市,他在学生艺术联合会和美国国家设计院学习艺术绘画。而后进入纽约大学医学院学习医学,并于 1931 年获得医学博士学位。在学习期间,奈特博士的素描绘图就吸引了医学界内人士,他为医学文章和著作绘制插图以获得收入。在 1933 年成为外科医生后,奈特博士仍兼职从事绘画工作,最终他选择放弃了就职的医生职业,全身心地投入了艺术绘画。在第二次世界大战中为美国服役后,奈特博士开始了他与 CIBA 制药企业(现为 Novartis 制药企业)的长期合作。这 45 年的合作,为奈特博士积累了丰富医学艺术的经验,而被世界各国的医生和医疗卫生工作者所熟知。

2000 年 7 月,leon 公司获得了奈特博士的图集版权,并根据新的绘图对奈特博士的原始画作进行不断地修正,增添了一些具有奈特博士画风的画家所制作的新插图。目前,Elsevier 公司所出版的具有奈特博士的艺术绘画风格的图书超过 50 种。

奈特博士通过绘图,形象地传授了医学知识,成为了的最优秀的典范。共计 13 卷的《奈特医学图集》,收入了奈特博士创作的 2 万余幅插图中的绝大部分,成为了医学著作出版的最著名书籍之一。1989 年,囊括了奈特博士解剖画作的《奈特人体解剖学彩色图谱》首次出版,现已翻译成了 16 种语言文字,成为了全世界医疗卫生及相关科学学生学习人体的首选解剖学图谱。

奈特博士的作品之所以广受人们的认可,不仅由于其超常的美学特质,更重要的是其中蕴含的丰富知识。正如奈特博士于 1949 年所说,“阐明中心内容才是画作的根本目的和目标。作为医学艺术作品,不管绘制得多么精美,艺术构思和表达多么精准,如果失去对医学观点的阐明,也就会失去其价值。”奈特博士的绘画设计、对艺术理念的理解和观察及处理问题的方式,都包含在他的绘画作品中,使他的作品成为如此实用而宝贵的财富。

奈特博士,杰出的医学家和艺术家,于 1991 年辞世。

Brion Benninger, MD, MS

我要感谢我的妻子 Alison 和我们的儿子 Jack，感谢你们的智慧、爱心和每天带给我的爱。我要感谢 Elsevier，尤其是 Marybeth Thiel，她的洞察力和方向感，使我的搭档 John Hansen 和 Carlos Machado，在这样一个多彩的环境中工作。我要特别感谢我的早期临床解剖学导师——Gerald Tressidor and Harold Ellis(Guy 医院)；P. Crone 院长和大学董事会的不懈支持；我过去和未来的所有患者和学生；以及临床上仍关注解剖动态的同事们。特别感谢 Jim McDaniel、Bill Bryan 和所有出事教学的同仁们。最后，我要感谢母亲给予我的爱、教育和我父亲教给我的探究精神。

Jennifer Brueckner-Collins, PhD

我非常感谢 Elsevier 团队，尤其是 Marybeth Thiel 和 Elyse O'Grady，在我们出版第 6 版的过程中，他们提供了专业知识和指导。与 Carlos Machado 合作特别愉快，他的艺术才华，使我们的解剖从概念走到现实。真诚地感谢 Mark Sturgill, DO，他为我们慷慨的提供了更新的腹部 MRCP，高对比度的轴向和冠状的 CT 图像，以及 CT 血管造影。最后，我要感谢我的父母，John 和 Rheba 及我的丈夫 Kurt，他们对我的不断支持、鼓励和关爱、灵感，他们是我坚持的理由。

John T. Hansen, PhD

在 Elsevier 出版《奈特人体解剖学彩色图谱》第 6 版的过程中，我要感谢高级开发编辑 Marybeth Thiel、高级内容策划 Elyse O'Grady、高级项目经理 John Casey 以及出版总监 Madelene Hyde，他们始终注重细节和给予我们不懈的支持。在 Elsevier，和所有编辑、制作、设计和营销团队一起工作学习很愉快，我也非常感谢 Carlos Machado 在图谱中绘制和更新过程中精湛的艺术功底，他的艺术效果是对奈特人体解剖学图谱最完美的补充。

除了在这个版本中我的编辑伙伴们，还要感谢我在罗切斯特的同事和教员以及我所有的学生，他们无私的提供了有建设性的反馈意见，他们使我的生活更加多彩。最后，感谢我的家庭，尤其是我的妻子 Paula，他们不断的支持着我，也正是他们的爱和鼓励支撑着我，这是所有幸福和快乐的源泉。

Todd M. Hoagland, PhD

很荣幸我可以教授人体临床解剖学，我永远感激所有的遗体捐赠者和他们的家人。能与优秀的医学生和同事们在威斯康星医学院工作是我的荣幸。感谢 John Hansen 和 Elsevier 团队的专业人士，他们让我有机会成为无与伦比的《奈特解剖学彩色图谱》的编著成员。Marybeth Thiel 和 Elyse O'Grady 很有能力，而且一起合作工作很愉快。很高兴可以和优秀的 Carlos Machado 及所有的顾问编辑一起工作。感谢 Joe Besharse，他是一名优秀的导师。深深地感谢 Stan Hillman 和 Jack O'Malley，他们高超而严谨的教学作风激励着我。感谢 Richard Hoyt Jr.，是他帮助我成为一名称职的解剖学家，还有 Rob Bouchie 的支持。非常感谢我的坚定、乐观而且团结的兄长 Bill。感谢我的母亲 Liz，她的执着和关爱给予了我强烈的职业道德。最后，是我的两个孩子 Ella 和 Caleb，他们帮助我重新理解了爱，还有惊喜和欢乐。

R. Shane Tubbs, MS, PA-C, PhD

首先，我要感谢 Elsevier，特别感谢是 Madelene Hyde、Marybeth Thiel 和 Elyse O'Grady 为这一版本的出版所做出的辛勤工作。这一版本的图谱将延续 Dr. Carlos Machado 的精湛技艺和艺术作品。我想感谢 Dr. Satinder Singh 提供心的 X 射线图像。在第 6 版的编辑过程中，我要感谢我的妻子 Susan 和儿子 Isaiah 对我的支持。如果没有一直支持我的导师、朋友、同事以及 Dr. W. Jerry Oakes，我是无法完成全部学术成果的。感谢为本版付出努力的我已故兄长 Nelson Jones，是他那强烈的好奇心激励着我不断地工作。

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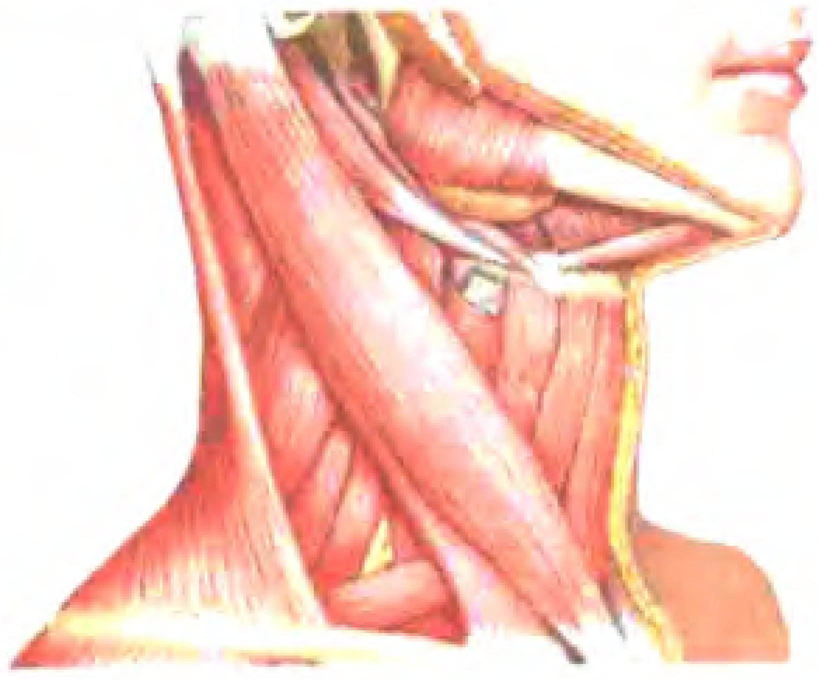
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1 头颈部

局部解剖学

图 1

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头颈部浅层

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3 面部和头皮浅表的动脉和静脉

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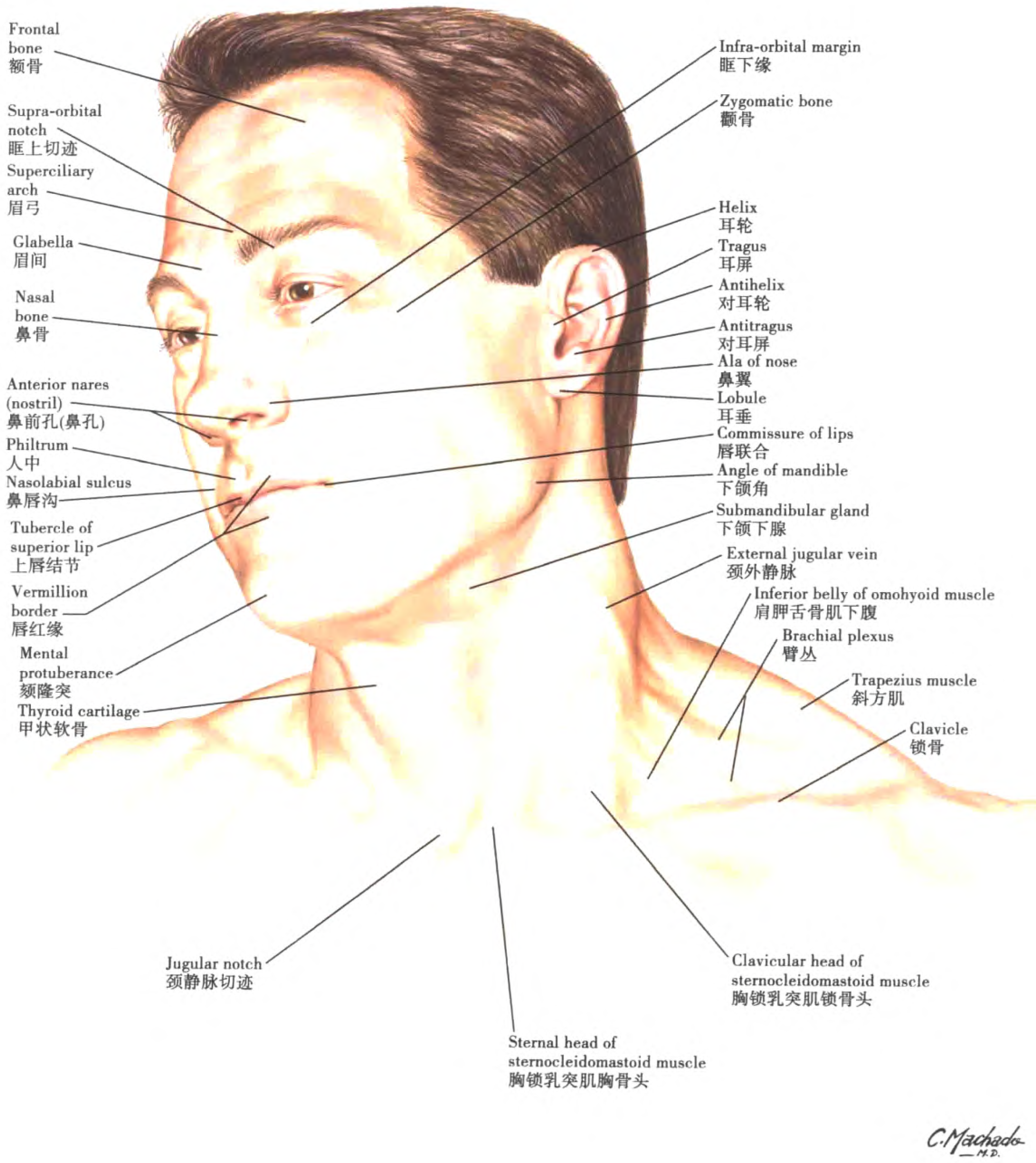
局部扫描

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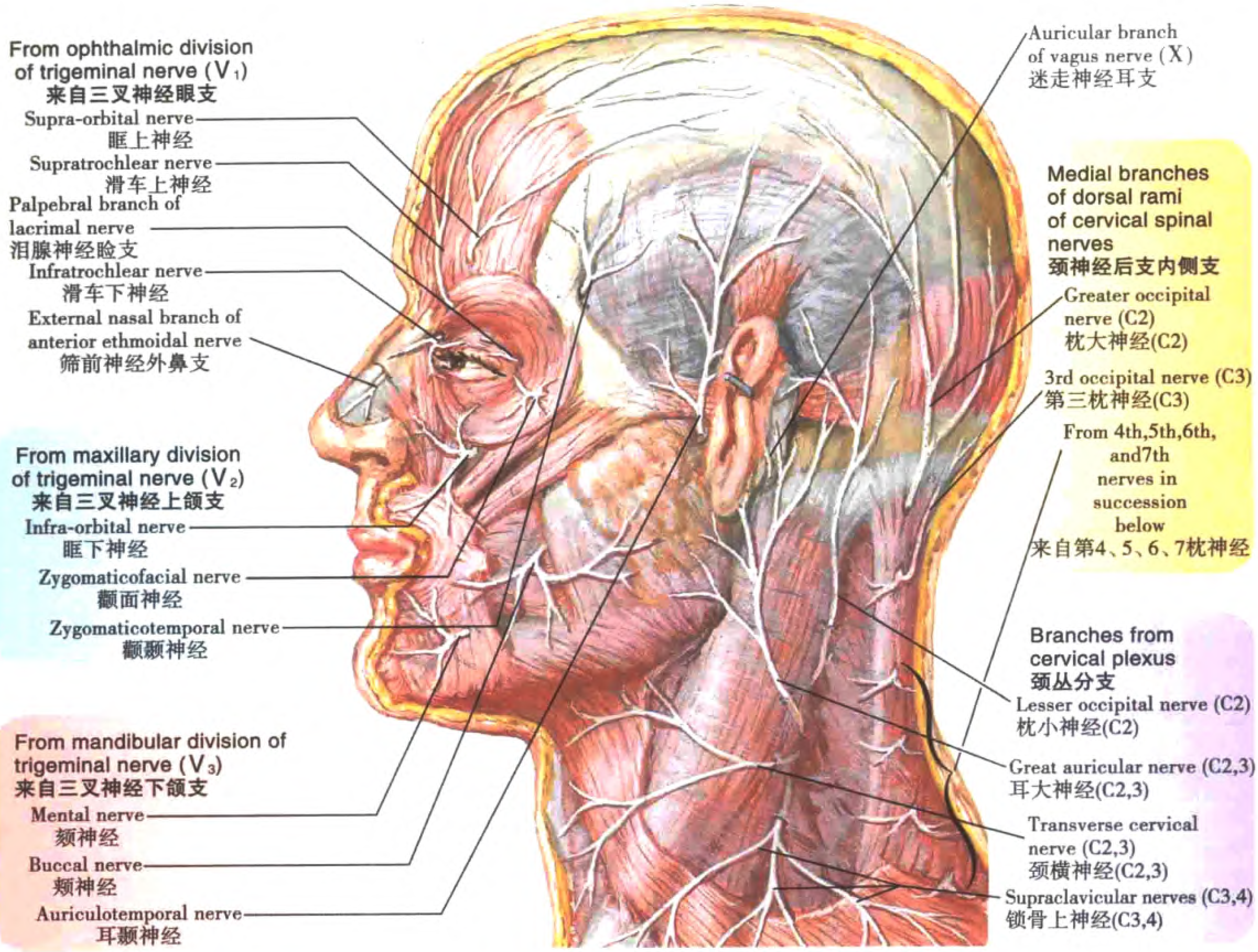
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肌肉总表

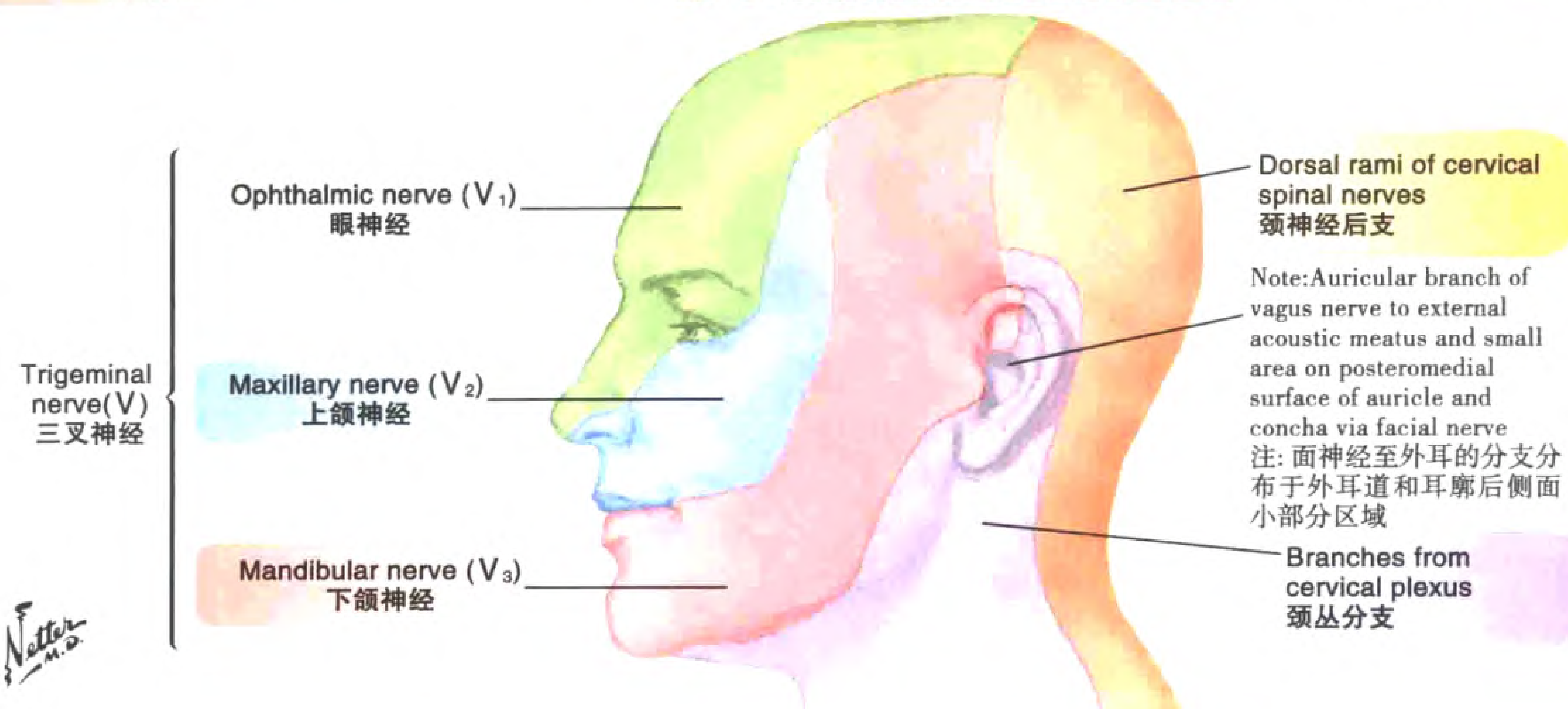
头颈部表面解剖标志



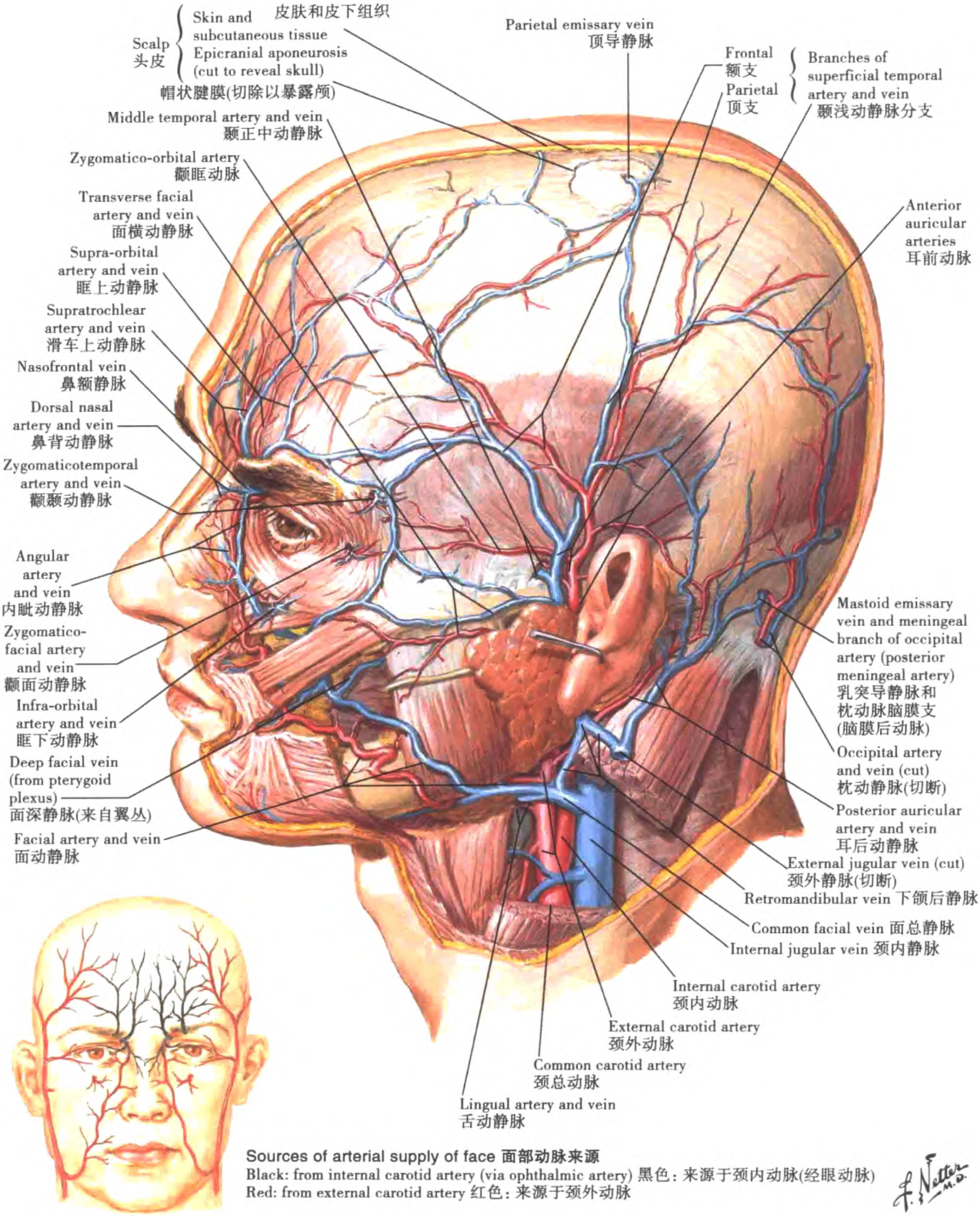
Frontal bone
额骨
Supra-orbital notch
眶上切迹
Superciliary arch
眉弓
Glabella
眉间
Nasal bone
鼻骨
Anterior nares (nostril)
鼻前孔(鼻孔)
Philtrum
人中
Nasolabial sulcus
鼻唇沟
Tubercle of superior lip
上唇结节
Vermillion border
唇红缘
Mental protuberance
颏隆突
Thyroid cartilage
甲状软骨
Infra-orbital margin
眶下缘
Zygomatic bone
颧骨
Helix
耳轮
Tragus
耳屏
Antihelix
对耳轮
Antitragus
对耳屏
Ala of nose
鼻翼
Lobule
耳垂
Commissure of lips
唇联合
Angle of mandible
下颌角
Submandibular gland
下颌下腺
External jugular vein
颈外静脉
Inferior belly of omohyoid muscle
肩胛舌骨肌下腹
Brachial plexus
臂丛
Trapezius muscle
斜方肌
Clavicle
锁骨
Jugular notch
颈静脉切迹
Clavicular head of sternocleidomastoid muscle
胸锁乳突肌锁骨头
Sternal head of sternocleidomastoid muscle
胸锁乳突肌胸骨头
C. Machado M.D.



From ophthalmic division of trigeminal nerve (V_1)
来自三叉神经眼支
Supra-orbital nerve
眶上神经
Supratrochlear nerve
滑车上神经
Palpebral branch of lacrimal nerve
泪腺神经睑支
Infratrochlear nerve
滑车下神经
External nasal branch of anterior ethmoidal nerve
筛前神经外鼻支
From maxillary division of trigeminal nerve (V_2)
来自三叉神经上颌支
Infra-orbital nerve
眶下神经
Zygomaticofacial nerve
颧面神经
Zygomaticotemporal nerve
颧颞神经
From mandibular division of trigeminal nerve (V_3)
来自三叉神经下颌支
Mental nerve
颏神经
Buccal nerve
颊神经
Auriculotemporal nerve
耳颞神经
Auricular branch of vagus nerve (X)
迷走神经耳支
Medial branches of dorsal rami of cervical spinal nerves
颈神经后支内侧支
Greater occipital nerve (C2)
枕大神经(C2)
3rd occipital nerve (C3)
第三枕神经(C3)
From 4th,5th,6th, and7th nerves in succession below
来自第4、5、6、7枕神经
Branches from cervical plexus
颈丛分支
Lesser occipital nerve (C2)
枕小神经(C2)
Great auricular nerve (C2,3)
耳大神经(C2,3)
Transverse cervical nerve (C2,3)
颈横神经(C2,3)
Supraclavicular nerves (C3,4)
锁骨上神经(C3,4)



Trigeminal nerve(V)
三叉神经
Ophthalmic nerve (V_1)
眼神经
Maxillary nerve (V_2)
上颌神经
Mandibular nerve (V_3)
下颌神经
Dorsal rami of cervical spinal nerves
颈神经后支
Note:Auricular branch of vagus nerve to external acoustic meatus and small area on posteromedial surface of auricle and concha via facial nerve
注:面神经至外耳的分支分布于外耳道和耳廓后侧面小部分区域
Branches from cervical plexus
颈丛分支

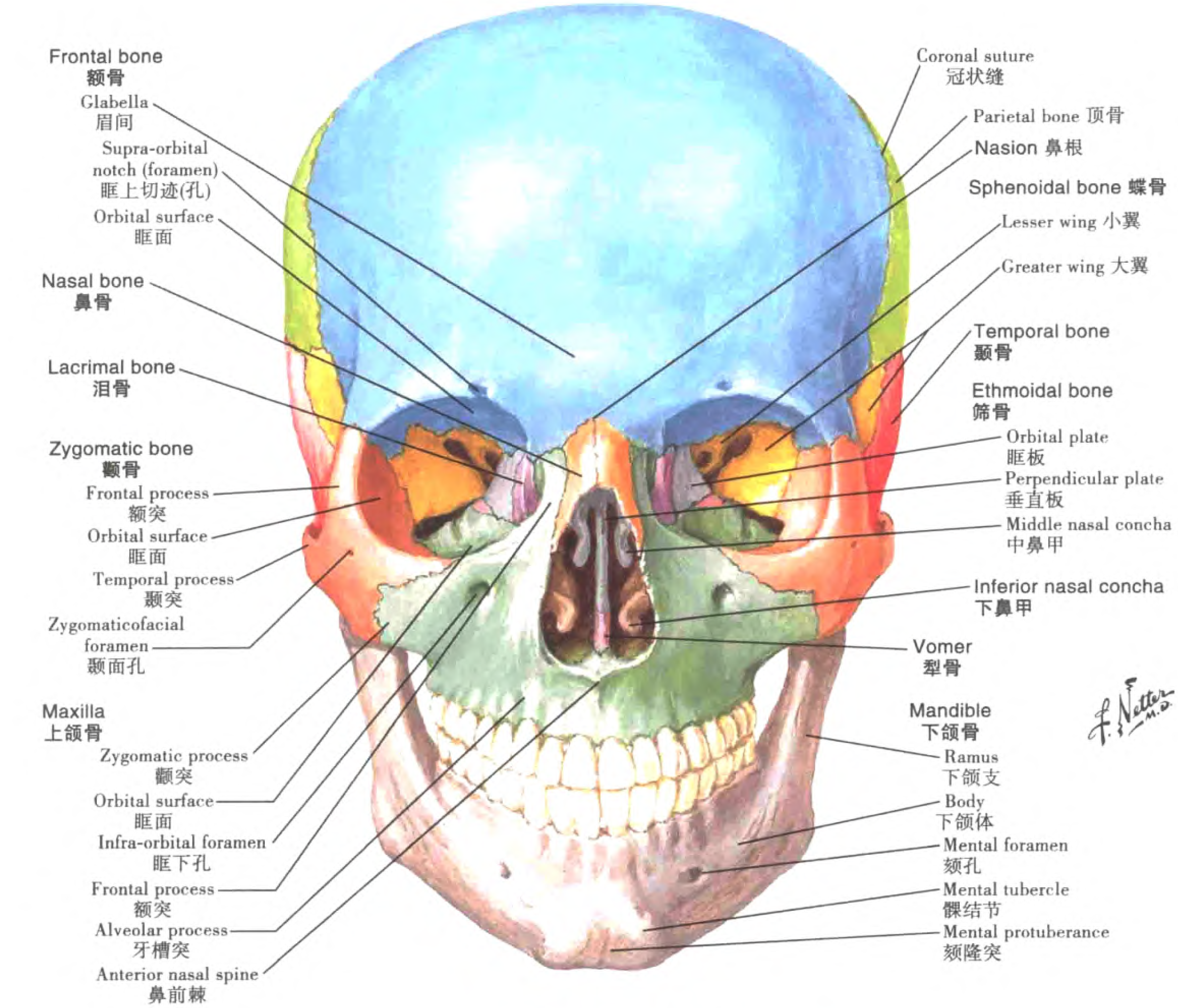


Sources of arterial supply of face 面部动脉来源
Black: from internal carotid artery (via ophthalmic artery) 黑色：来源于颈内动脉(经眼动脉)
Red: from external carotid artery 红色：来源于颈外动脉

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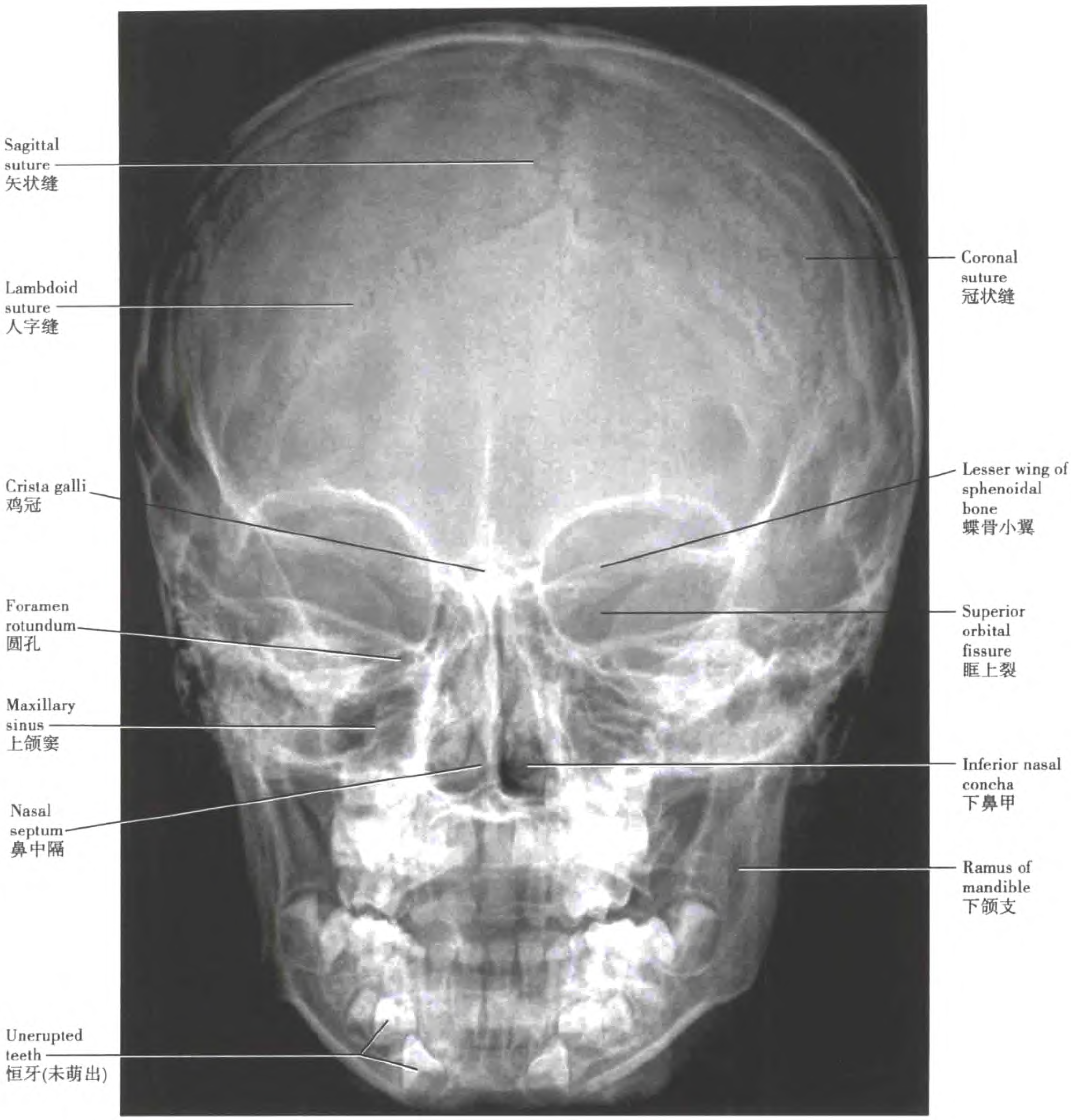
图3　头颈部浅层

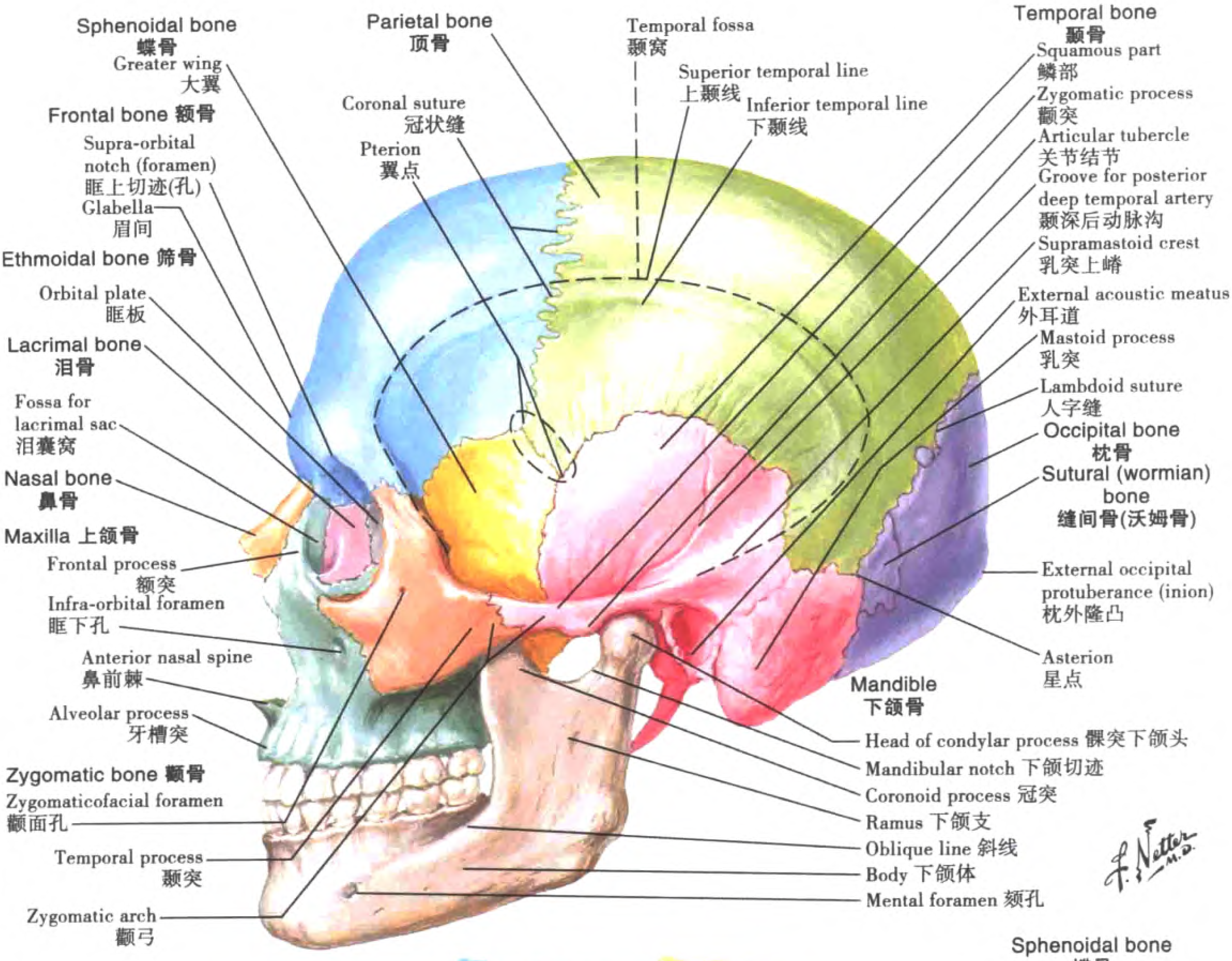
颅：前面观

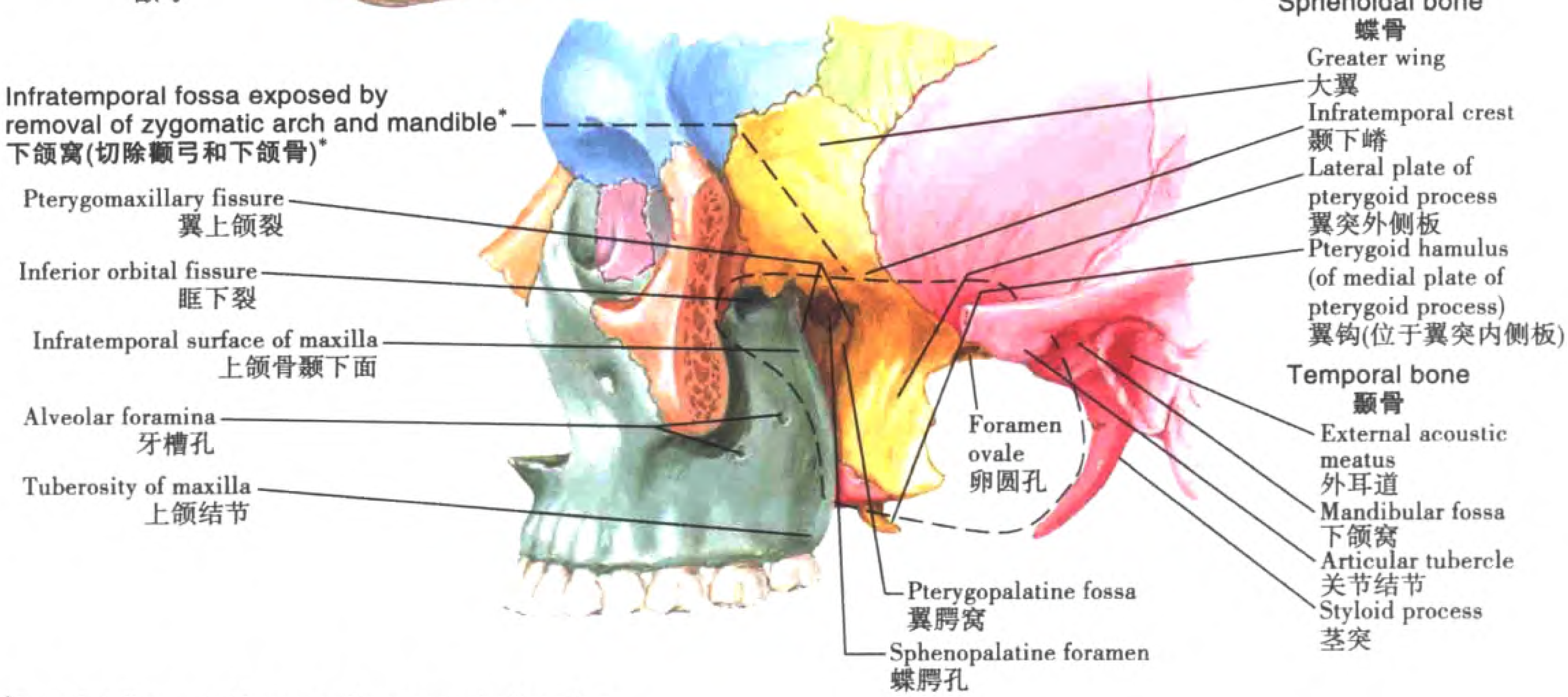


右眶：前偏外侧面观
Right orbit: frontal and slightly lateral view

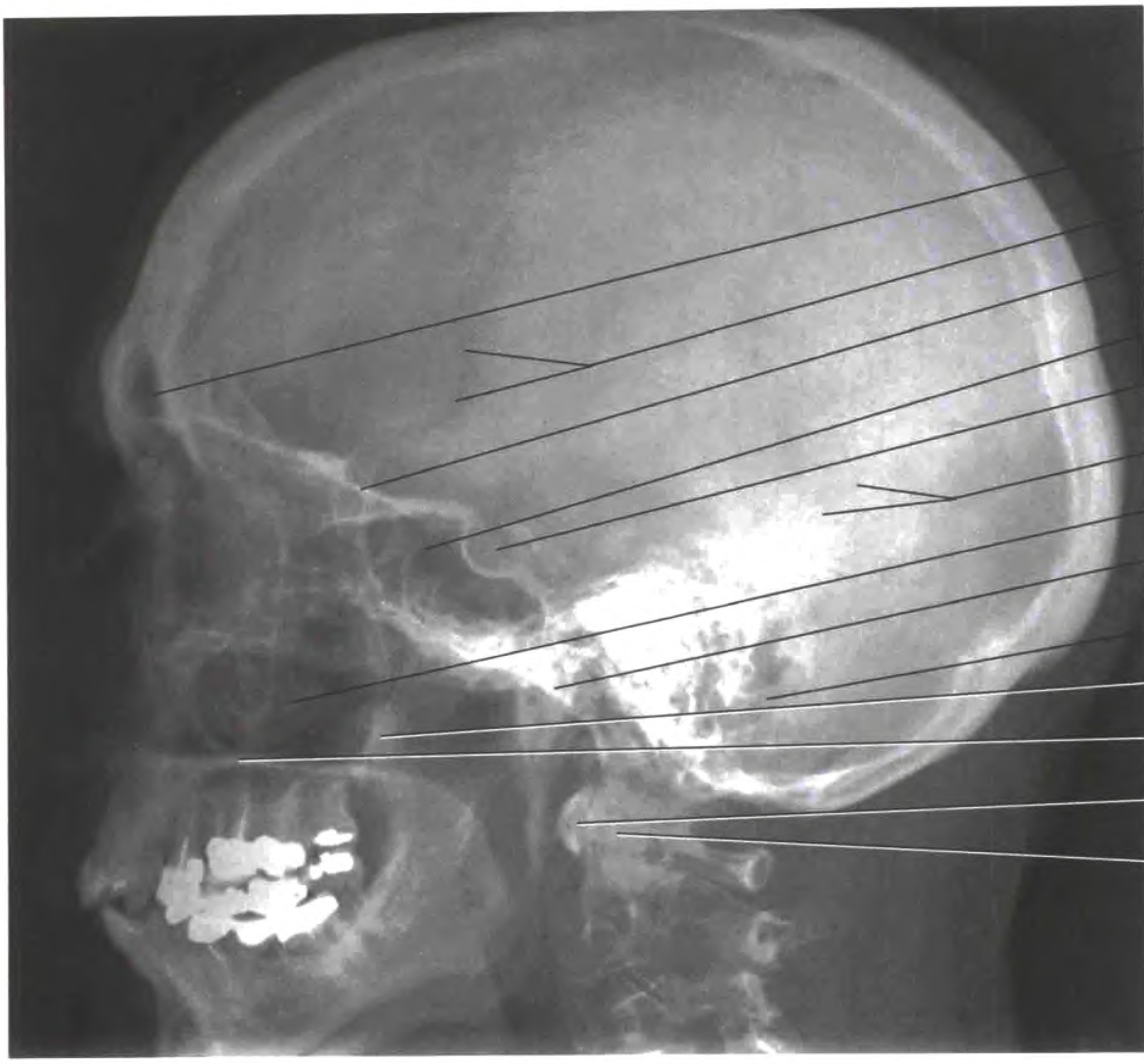


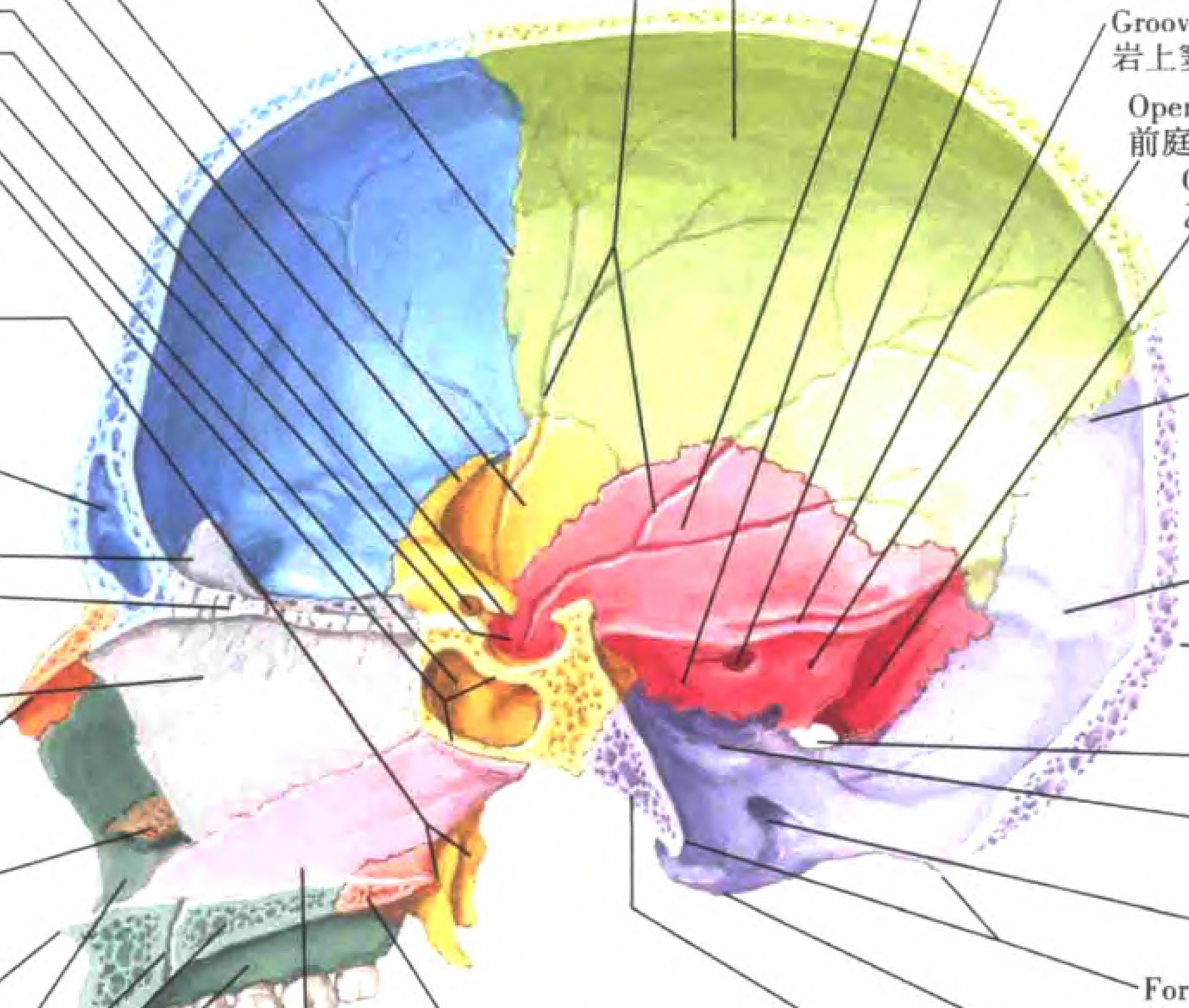

Sagittal suture
矢状缝
Lambdoid suture
人字缝
Crista galli
鸡冠
Foramen rotundum
圆孔
Maxillary sinus
上颌窦
Nasal septum
鼻中隔
Unerupted teeth
恒牙(未萌出)
Coronal suture
冠状缝
Lesser wing of sphenoidal bone
蝶骨小翼
Superior orbital fissure
眶上裂
Inferior nasal concha
下鼻甲
Ramus of mandible
下颌支

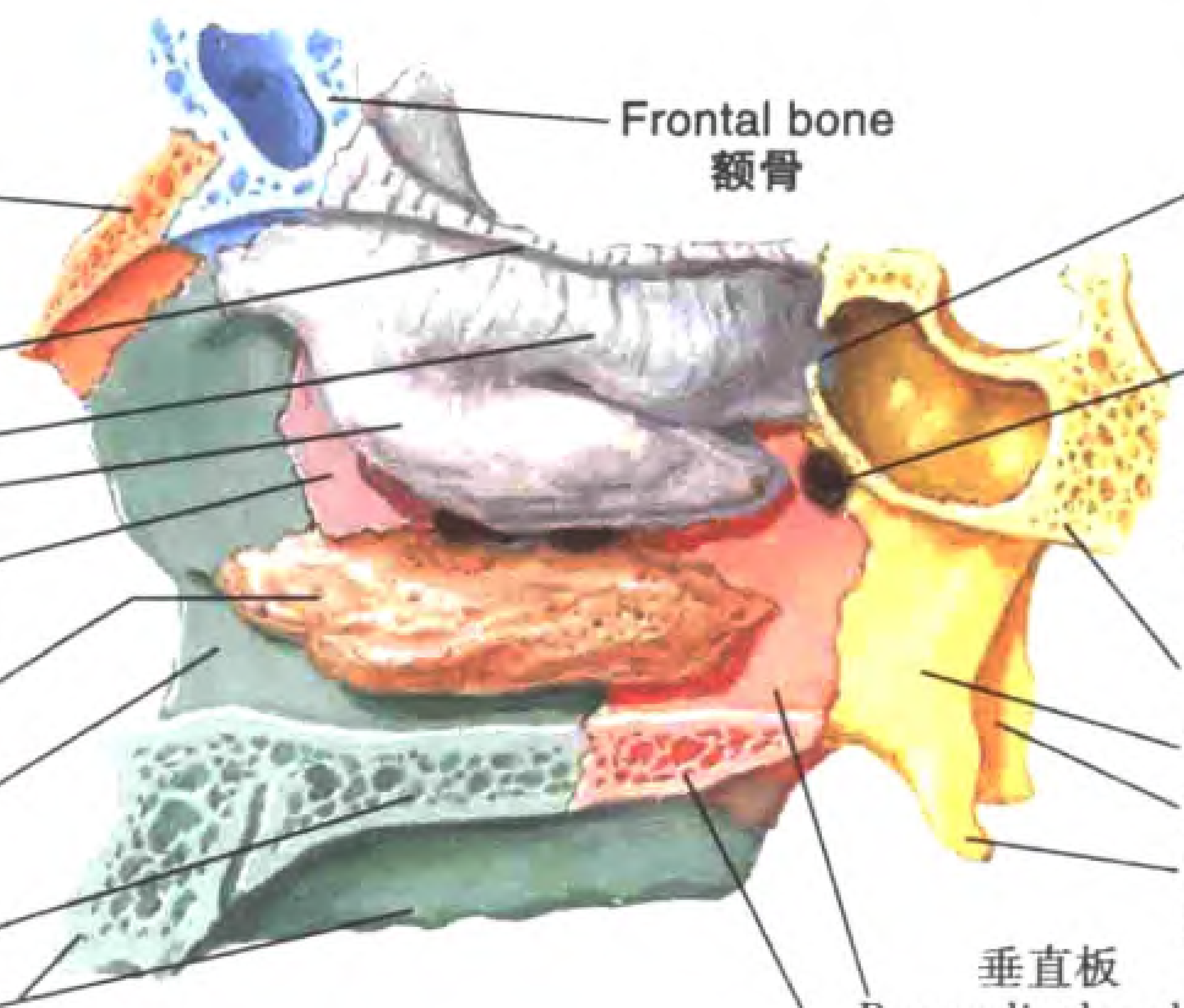




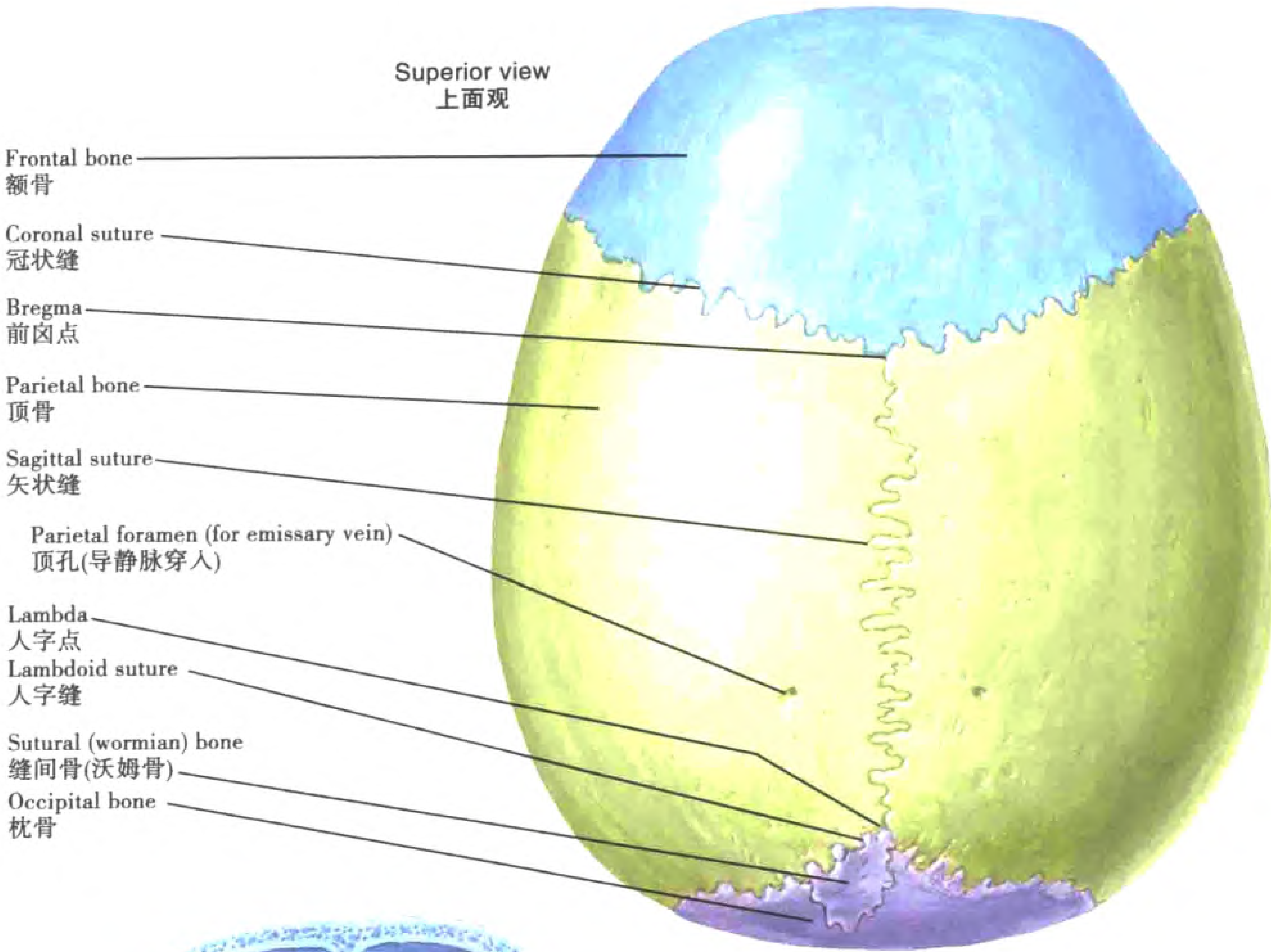
*Superficially, mastoid process forms posterior boundary.
*乳突形成颞下窝的表浅后界

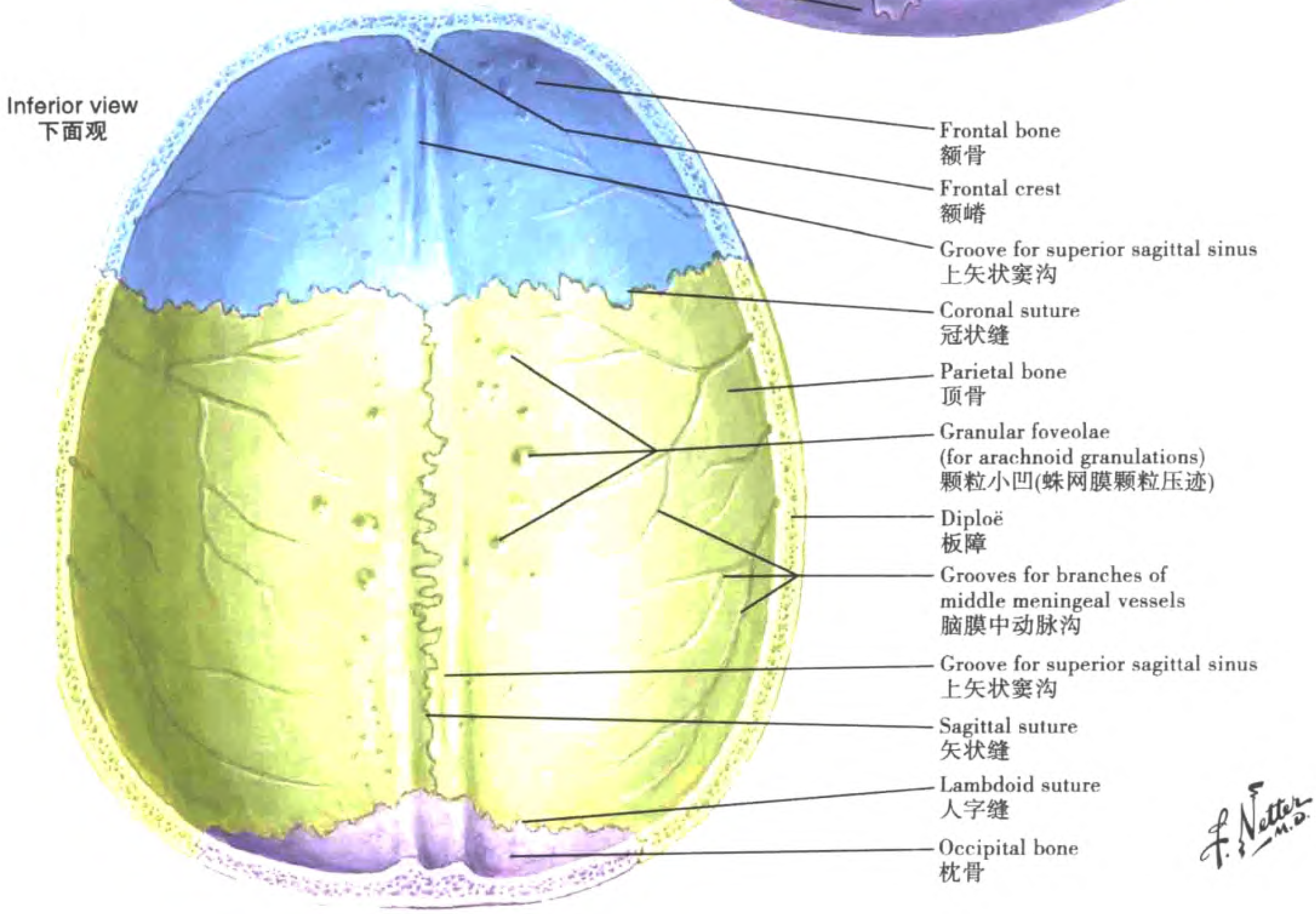

Frontal sinus
额窦
Coronal suture
冠状缝
Greater wing of sphenoidal bone
蝶骨大翼
Sphenoidal sinus
蝶窦
Hypophyseal fossa (sella turcica)
垂体窝(蝶鞍)
Lambdoid suture
人字缝
Maxillary sinus
上颌窦
Condyle of mandible
下颌骨髁突
Mastoid air cells
乳突小房
Coronoid process of mandible
下颌骨冠突
Palatine process of maxilla
上颌骨腭突
Anterior arch of atlas (C1 vertebra)
寰椎(第一颈椎)前弓
Dens of axis (C2 vertebra)
枢椎(第二颈椎)齿突

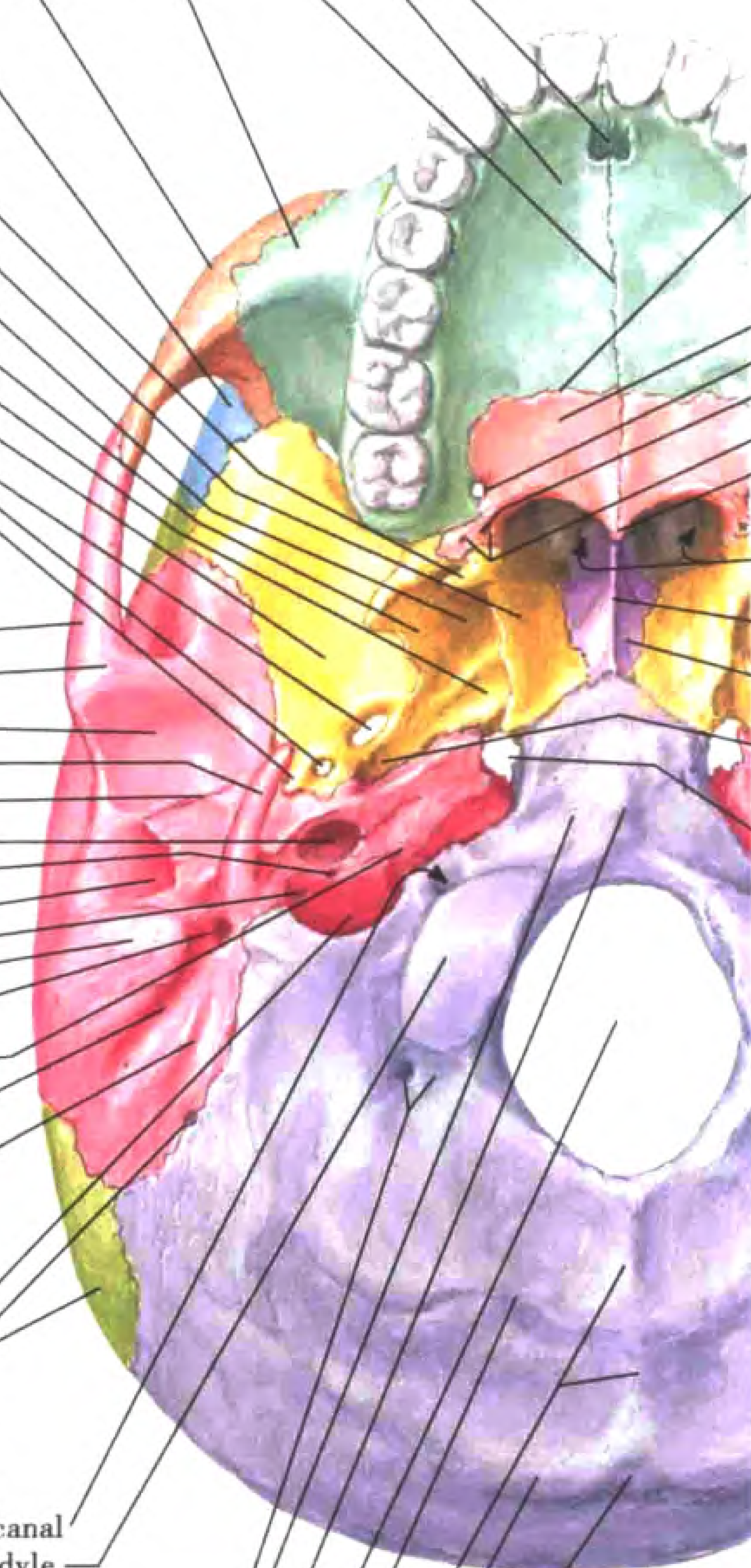


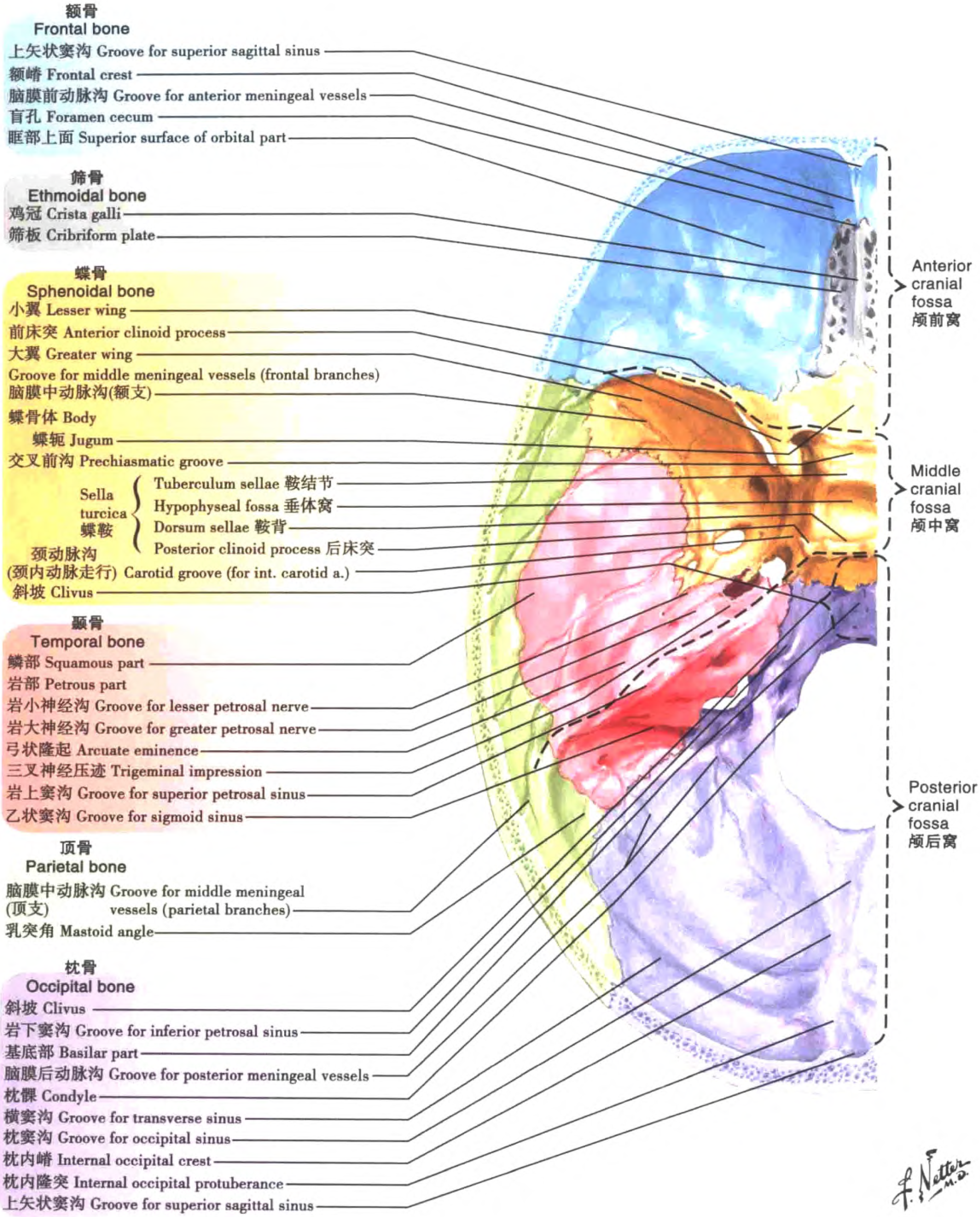


View of lateral nasal wall with nasal septum removed
鼻侧面观(移除鼻下隔)

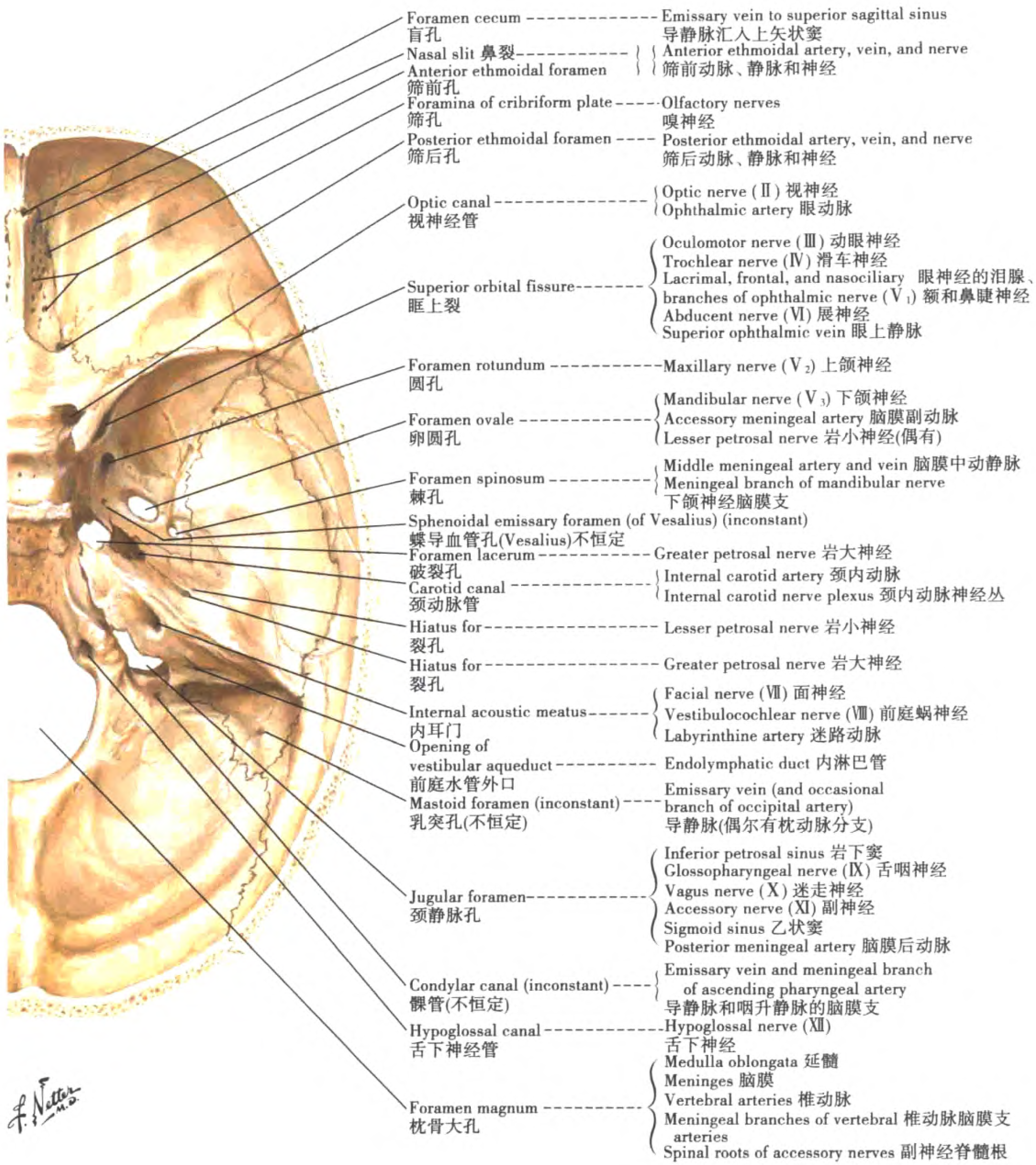

Superior view
上面观
Frontal bone
额骨
Coronal suture
冠状缝
Bregma
前囟点
Parietal bone
顶骨
Sagittal suture
矢状缝
Parietal foramen (for emissary vein)
顶孔(导静脉穿入)
Lambda
人字点
Lambdoid suture
人字缝
Sutural (wormian) bone
缝间骨(沃姆骨)
Occipital bone
枕骨

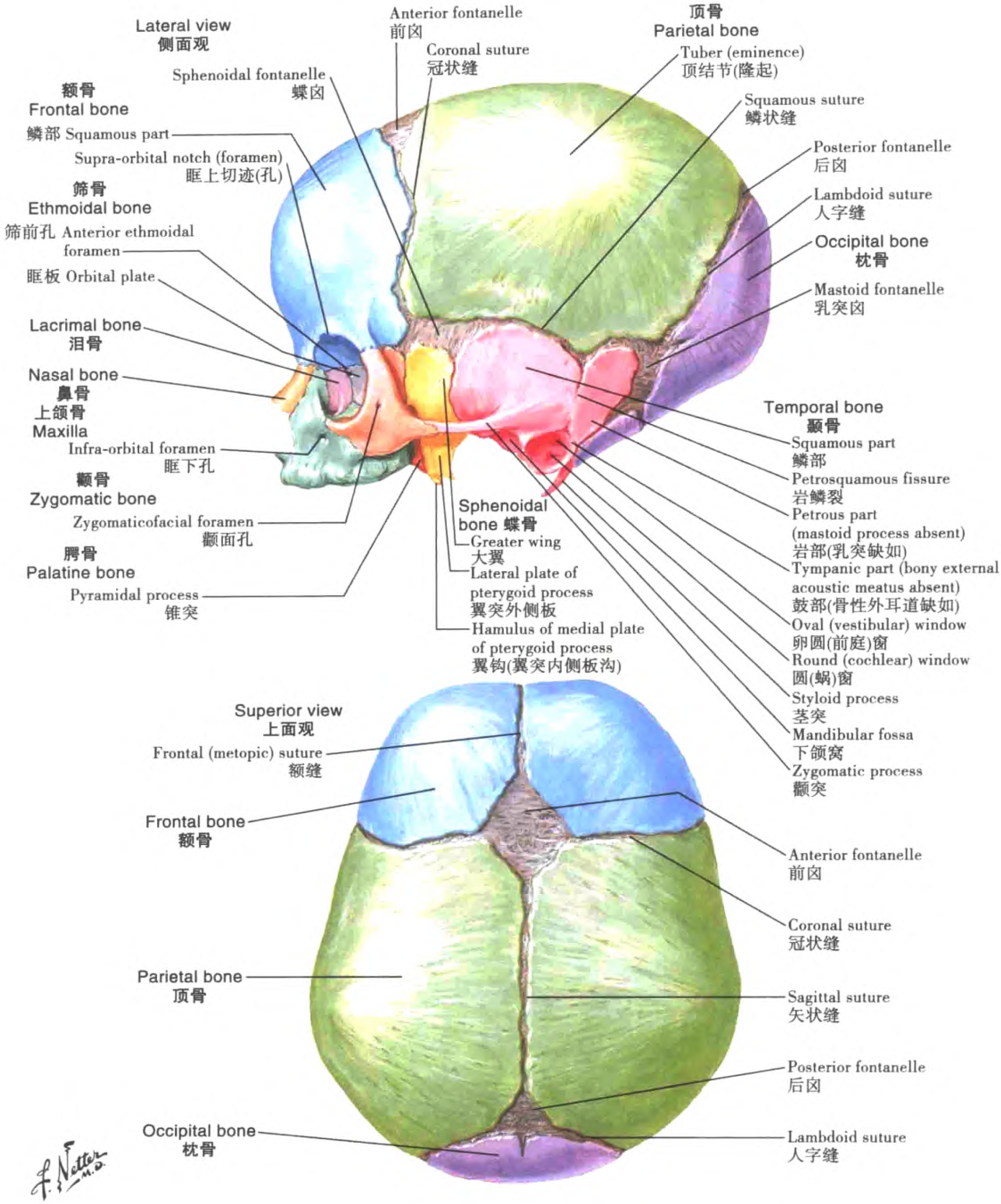

Inferior view
下面观
Frontal bone
额骨
Frontal crest
额嵴
Groove for superior sagittal sinus
上矢状窦沟
Coronal suture
冠状缝
Parietal bone
顶骨
Granular foveolae
(for arachnoid granulations)
颗粒小凹(蛛网膜颗粒压迹)
Diploë
板障
Grooves for branches of
middle meningeal vessels
脑膜中动脉沟
Groove for superior sagittal sinus
上矢状窦沟
Sagittal suture
矢状缝
Lambdoid suture
人字缝
Occipital bone
枕骨


上颌骨
Maxilla
切牙孔 Incisive fossa
腭突 Palatine process
腭正中缝 Intermaxillary suture
颧突 Zygomatic process
Zygomatic bone
颧骨
Frontal bone
额骨
蝶骨
Sphenoidal bone
翼突 Pterygoid process
翼钩 Hamulus
内侧板 Medial plate
翼窝 Pterygoid fossa
外侧板 Lateral plate
舟状窝 Scaphoid fossa
大翼 Greater wing
卵圆孔 Foramen ovale
棘孔 Foramen spinosum
蝶棘 Spine
Temporal bone
颞骨
颧突 Zygomatic process
关节结节 Articular tubercle
下颌窝 Mandibular fossa
茎突 Styloid process
岩鼓裂 Petrotympanic fissure
颈动脉管(外口) Carotid canal (external opening)
鼓室小管 Tympanic canaliculus
外耳道 External acoustic meatus
乳突小管 Mastoid canaliculus
乳突 Mastoid process
茎乳孔 Stylomastoid foramen
岩部 Petrous part
乳突切迹 (二腹肌经过) Mastoid notch (for digastric muscle)
枕沟 (枕动脉走行) Occipital groove (for occipital artery)
颈静脉窝 (深部为颈静脉孔) Jugular fossa (jugular foramen in its depth)
乳突孔 Mastoid foramen
Parietal bone
顶骨
枕骨
Occipital bone
舌下神经管 Hypoglossal canal
枕髁 Occipital condyle
髁管和髁窝 Condylar canal and fossa
基底部 Basilar part
咽结节 Pharyngeal tubercle
枕骨大孔 Foramen magnum
下项线 Inferior nuchal line
枕外嵴 External occipital crest
上项线 Superior nuchal line
枕外隆凸 External occipital protuberance
Palatomaxillary suture
腭横缝
腭骨
Palatine bone
Horizontal plate 水平板
Greater palatine foramen 腭大孔
Pyramidal process 锥突
Lesser palatine foramina 腭小孔
Posterior nasal spine 鼻后棘
Choanae
鼻后孔
Vomer
犁骨
Ala
犁骨翼
Groove for pharyngotympanic (auditory, eustachian) tube
咽鼓管沟
Foramen lacerum
破裂孔

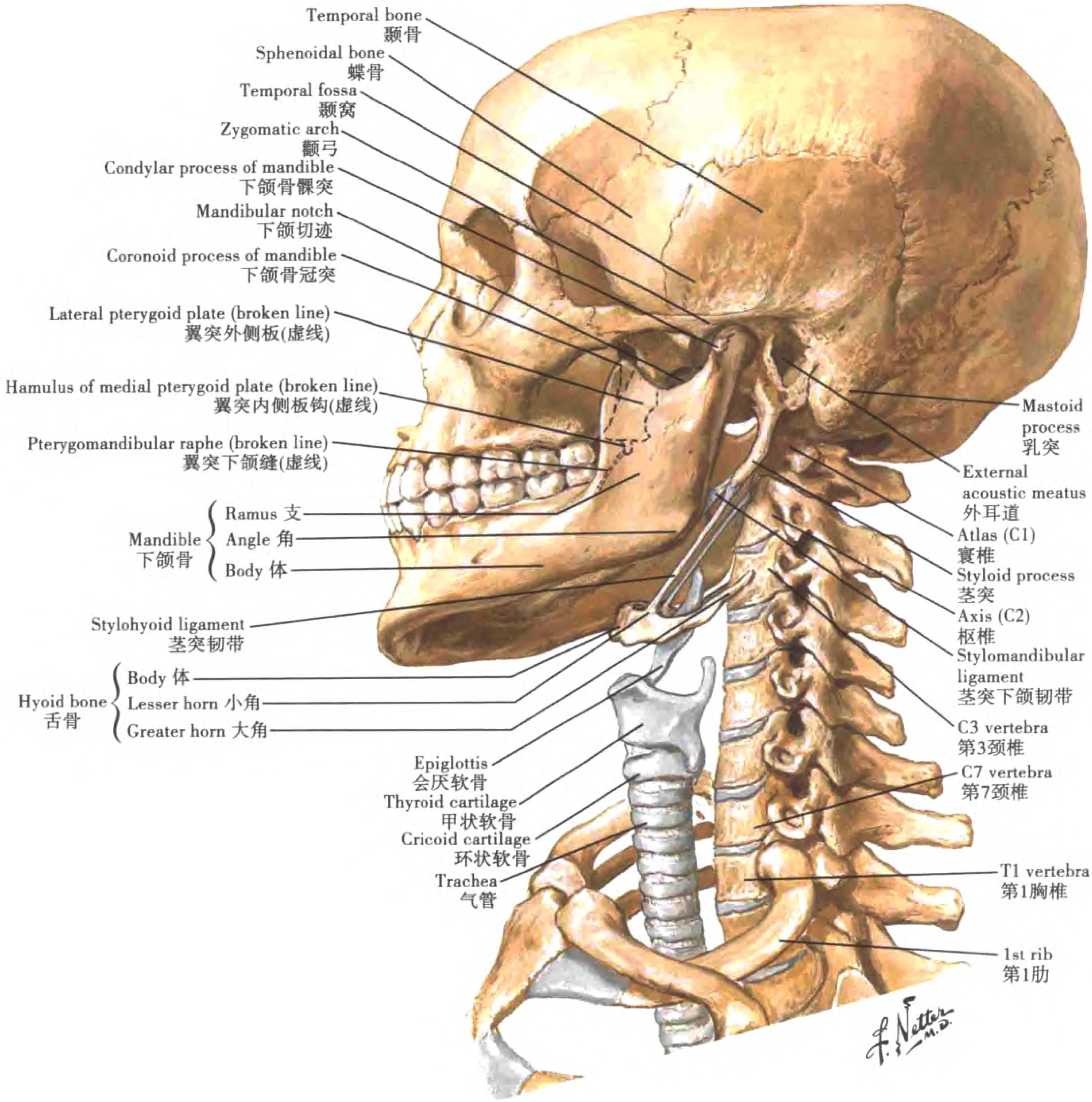

额骨
Frontal bone
上矢状窦沟 Groove for superior sagittal sinus
额嵴 Frontal crest
脑膜前动脉沟 Groove for anterior meningeal vessels
盲孔 Foramen cecum
眶部上面 Superior surface of orbital part
筛骨
Ethmoidal bone
鸡冠 Crista galli
筛板 Cribriform plate
蝶骨
Sphenoidal bone
小翼 Lesser wing
前床突 Anterior clinoid process
大翼 Greater wing
Groove for middle meningeal vessels (frontal branches)
脑膜中动脉沟(额支)
蝶骨体 Body
蝶轭 Jugum
交叉前沟 Prechiasmatic groove
Sella turcica 蝶鞍
Tuberculum sellae 鞍结节
Hypophyseal fossa 垂体窝
Dorsum sellae 鞍背
Posterior clinoid process 后床突
颈动脉沟
(颈内动脉走行) Carotid groove (for int. carotid a.)
斜坡 Clivus
颞骨
Temporal bone
鳞部 Squamous part
岩部 Petrous part
岩小神经沟 Groove for lesser petrosal nerve
岩大神经沟 Groove for greater petrosal nerve
弓状隆起 Arcuate eminence
三叉神经压迹 Trigeminal impression
岩上窦沟 Groove for superior petrosal sinus
乙状窦沟 Groove for sigmoid sinus
顶骨
Parietal bone
脑膜中动脉沟 (顶支) Groove for middle meningeal vessels (parietal branches)
乳突角 Mastoid angle
枕骨
Occipital bone
斜坡 Clivus
岩下窦沟 Groove for inferior petrosal sinus
基底部 Basilar part
脑膜后动脉沟 Groove for posterior meningeal vessels
枕髁 Condyle
横窦沟 Groove for transverse sinus
枕窦沟 Groove for occipital sinus
枕内嵴 Internal occipital crest
枕内隆突 Internal occipital protuberance
上矢状窦沟 Groove for superior sagittal sinus
Anterior cranial fossa 颅前窝
Middle cranial fossa 颅中窝
Posterior cranial fossa 颅后窝
F. Netter M.D.


鼻腭神经
Nasopalatine nerve
Sphenopalatine vessels
蝶腭血管
Incisive fossa
切牙孔
Greater palatine nerve and vessels
腭大神经和血管
Greater palatine foramen
腭大孔
Lesser palatine nerve and vessels
腭小神经和血管
Lesser palatine foramen
腭小孔
岩大神经 Greater petrosal nerve
Foramen lacerum
破裂孔
岩小神经 Lesser petrosal nerve
下颌神经(V_3) Mandibular nerve (V_3)
脑膜副动脉 Accessory meningeal artery
Foramen ovale
卵圆孔
脑膜中血管 Middle meningeal vessels
Meningeal branch of mandibular nerve (V_3)
下颌神经(V_3)脑膜支
Foramen spinosum
棘孔
颈内动脉 Internal carotid artery
颈自动脉主神经丛 Carotid autonomic plexus
Carotid canal
颈动脉管
面神经鼓索
Chorda tympani of facial (intermediate) nerve (Ⅷ)
Petrotympanic fissure
岩鼓裂
Tympanic branch of glossopharyngeal nerve (Ⅸ)
Tympanic canaliculus
鼓室小管
舌咽神经鼓支 Auricular branch of vagus nerve (Ⅹ)
迷走神经耳支
Mastoid canaliculus
乳突小管
Facial nerve (Ⅶ)
面神经
Stylomastoid foramen
茎乳孔
舌咽神经 Glossopharyngeal nerve (Ⅸ)
迷走神经 Vagus nerve (Ⅹ)
副神经 Accessory nerve (Ⅺ)
颈静脉上球 Superior bulb
颈内静脉 Internal jugular vein
Jugular fossa
颈静脉孔
乳突导静脉 Mastoid emissary vein
脑膜后动脉 Posterior meningeal artery
Mastoid foramen
乳突孔
Hypoglossal nerve (Ⅻ)
舌下神经
Hypoglossal canal
舌下神经管
延髓 Medulla oblongata
椎动脉和静脉丛 Vertebral arteries and venous plexus
Spinal roots of accessory nerves (Ⅺ)
副神经脊髓根
Foramen magnum
枕骨大孔


Foramen cecum 盲孔 — Emissary vein to superior sagittal sinus 导静脉汇入上矢状窦
Nasal slit 鼻裂 / Anterior ethmoidal foramen 筛前孔 — Anterior ethmoidal artery, vein, and nerve 筛前动脉、静脉和神经
Foramina of cribriform plate 筛孔 — Olfactory nerves 嗅神经
Posterior ethmoidal foramen 筛后孔 — Posterior ethmoidal artery, vein, and nerve 筛后动脉、静脉和神经
Optic canal 视神经管 — Optic nerve (Ⅱ) 视神经; Ophthalmic artery 眼动脉
Superior orbital fissure 眶上裂 — Oculomotor nerve (Ⅲ) 动眼神经; Trochlear nerve (Ⅳ) 滑车神经; Lacrimal, frontal, and nasociliary branches of ophthalmic nerve (V_1) 眼神经的泪腺、额和鼻睫神经; Abducent nerve (Ⅵ) 展神经; Superior ophthalmic vein 眼上静脉
Foramen rotundum 圆孔 — Maxillary nerve (V_2) 上颌神经
Foramen ovale 卵圆孔 — Mandibular nerve (V_3) 下颌神经; Accessory meningeal artery 脑膜副动脉; Lesser petrosal nerve 岩小神经(偶有)
Foramen spinosum 棘孔 — Middle meningeal artery and vein 脑膜中动静脉; Meningeal branch of mandibular nerve 下颌神经脑膜支
Sphenoidal emissary foramen (of Vesalius) (inconstant) 蝶导血管孔(Vesalius)不恒定
Foramen lacerum 破裂孔 — Greater petrosal nerve 岩大神经
Carotid canal 颈动脉管 — Internal carotid artery 颈内动脉; Internal carotid nerve plexus 颈内动脉神经丛
Hiatus for 裂孔 — Lesser petrosal nerve 岩小神经
Hiatus for 裂孔 — Greater petrosal nerve 岩大神经
Internal acoustic meatus 内耳门 — Facial nerve (Ⅶ) 面神经; Vestibulocochlear nerve (Ⅷ) 前庭蜗神经; Labyrinthine artery 迷路动脉
Opening of vestibular aqueduct 前庭水管外口 — Endolymphatic duct 内淋巴管
Mastoid foramen (inconstant) 乳突孔(不恒定) — Emissary vein (and occasional branch of occipital artery) 导静脉(偶尔有枕动脉分支)
Jugular foramen 颈静脉孔 — Inferior petrosal sinus 岩下窦; Glossopharyngeal nerve (Ⅸ) 舌咽神经; Vagus nerve (Ⅹ) 迷走神经; Accessory nerve (Ⅺ) 副神经; Sigmoid sinus 乙状窦; Posterior meningeal artery 脑膜后动脉
Condylar canal (inconstant) 髁管(不恒定) — Emissary vein and meningeal branch of ascending pharyngeal artery 导静脉和咽升静脉的脑膜支
Hypoglossal canal 舌下神经管 — Hypoglossal nerve (Ⅻ) 舌下神经
Foramen magnum 枕骨大孔 — Medulla oblongata 延髓; Meninges 脑膜; Vertebral arteries 椎动脉; Meningeal branches of vertebral arteries 椎动脉脑膜支; Spinal roots of accessory nerves 副神经脊髓根
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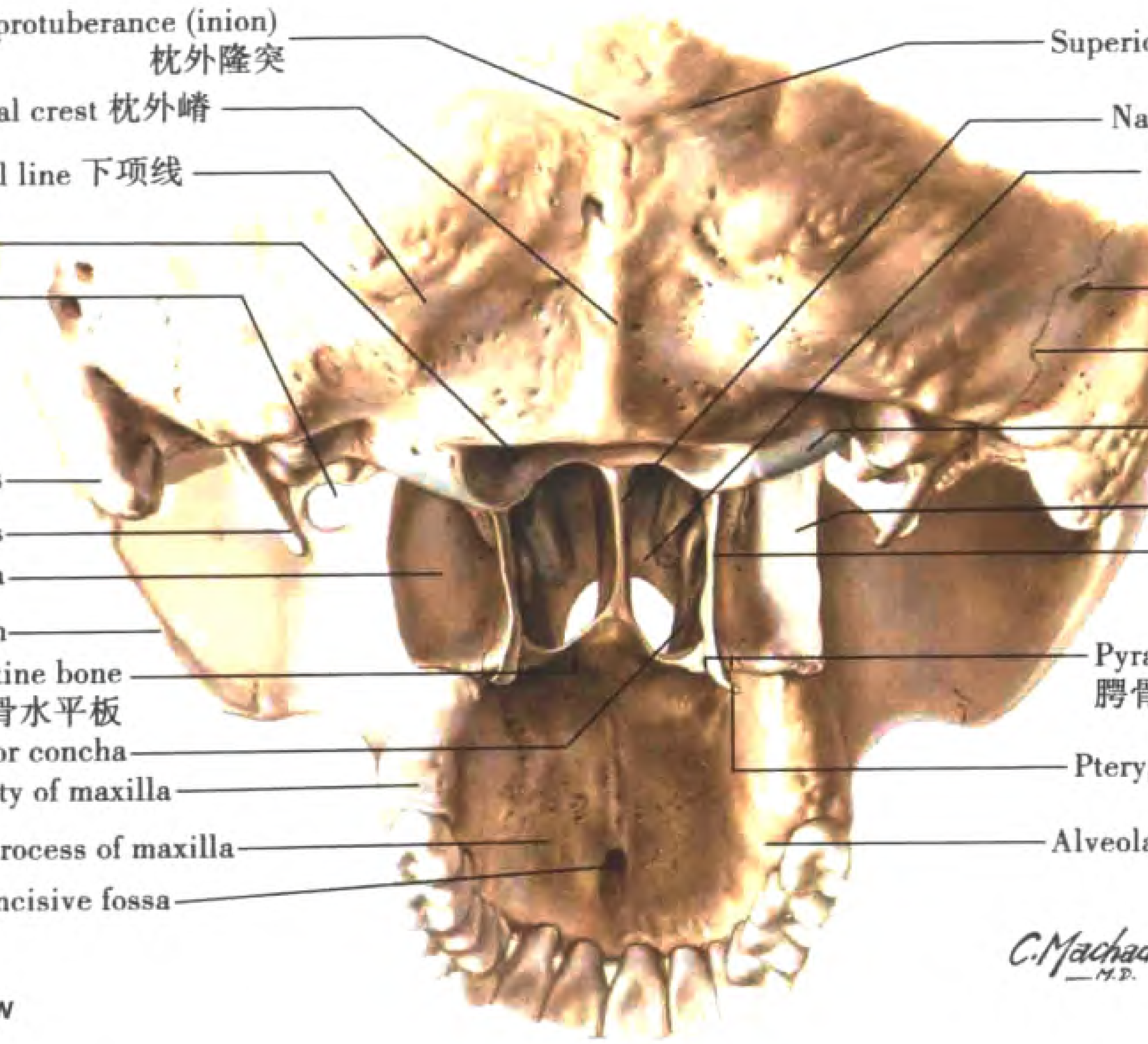


Lateral view
侧面观
额骨
Frontal bone
鳞部 Squamous part
Supra-orbital notch (foramen)
眶上切迹(孔)
筛骨
Ethmoidal bone
筛前孔 Anterior ethmoidal foramen
眶板 Orbital plate
Lacrimal bone
泪骨
Nasal bone
鼻骨
上颌骨
Maxilla
Infra-orbital foramen
眶下孔
颧骨
Zygomatic bone
Zygomaticofacial foramen
颧面孔
腭骨
Palatine bone
Pyramidal process
锥突
Sphenoidal fontanelle
蝶囟
Anterior fontanelle
前囟
Coronal suture
冠状缝
顶骨
Parietal bone
Tuber (eminence)
顶结节(隆起)
Squamous suture
鳞状缝
Posterior fontanelle
后囟
Lambdoid suture
人字缝
Occipital bone
枕骨
Mastoid fontanelle
乳突囟
Temporal bone
颞骨
Squamous part
鳞部
Petrosquamous fissure
岩鳞裂
Petrous part
(mastoid process absent)
岩部(乳突缺如)
Tympanic part (bony external acoustic meatus absent)
鼓部(骨性外耳道缺如)
Oval (vestibular) window
卵圆(前庭)窗
Round (cochlear) window
圆(蜗)窗
Styloid process
茎突
Mandibular fossa
下颌窝
Zygomatic process
颧突
Sphenoidal bone 蝶骨
Greater wing
大翼
Lateral plate of pterygoid process
翼突外侧板
Hamulus of medial plate of pterygoid process
翼钩(翼突内侧板沟)
Superior view
上面观
Frontal (metopic) suture
额缝
Frontal bone
额骨
Parietal bone
顶骨
Occipital bone
枕骨
Anterior fontanelle
前囟
Coronal suture
冠状缝
Sagittal suture
矢状缝
Posterior fontanelle
后囟
Lambdoid suture
人字缝

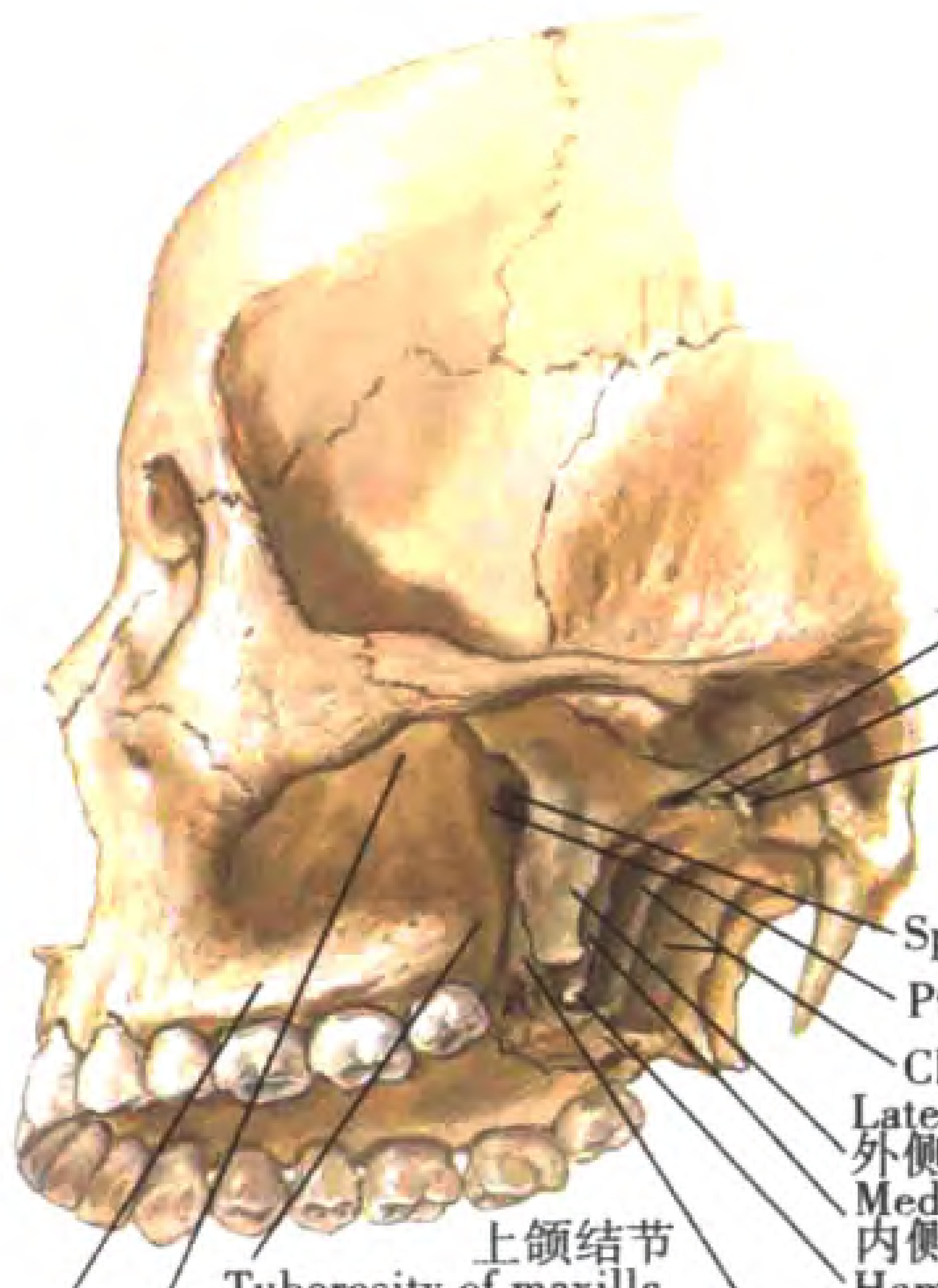

Temporal bone
颞骨
Sphenoidal bone
蝶骨
Temporal fossa
颞窝
Zygomatic arch
颧弓
Condylar process of mandible
下颌骨髁突
Mandibular notch
下颌切迹
Coronoid process of mandible
下颌骨冠突
Lateral pterygoid plate (broken line)
翼突外侧板(虚线)
Hamulus of medial pterygoid plate (broken line)
翼突内侧板钩(虚线)
Pterygomandibular raphe (broken line)
翼突下颌缝(虚线)
Mandible
下颌骨
Ramus 支
Angle 角
Body 体
Stylohyoid ligament
茎突韧带
Hyoid bone
舌骨
Body 体
Lesser horn 小角
Greater horn 大角
Epiglottis
会厌软骨
Thyroid cartilage
甲状软骨
Cricoid cartilage
环状软骨
Trachea
气管
Mastoid process
乳突
External acoustic meatus
外耳道
Atlas (C1)
寰椎
Styloid process
茎突
Axis (C2)
枢椎
Stylomandibular ligament
茎突下颌韧带
C3 vertebra
第3颈椎
C7 vertebra
第7颈椎
T1 vertebra
第1胸椎
1st rib
第1肋
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参见图 39,40,41

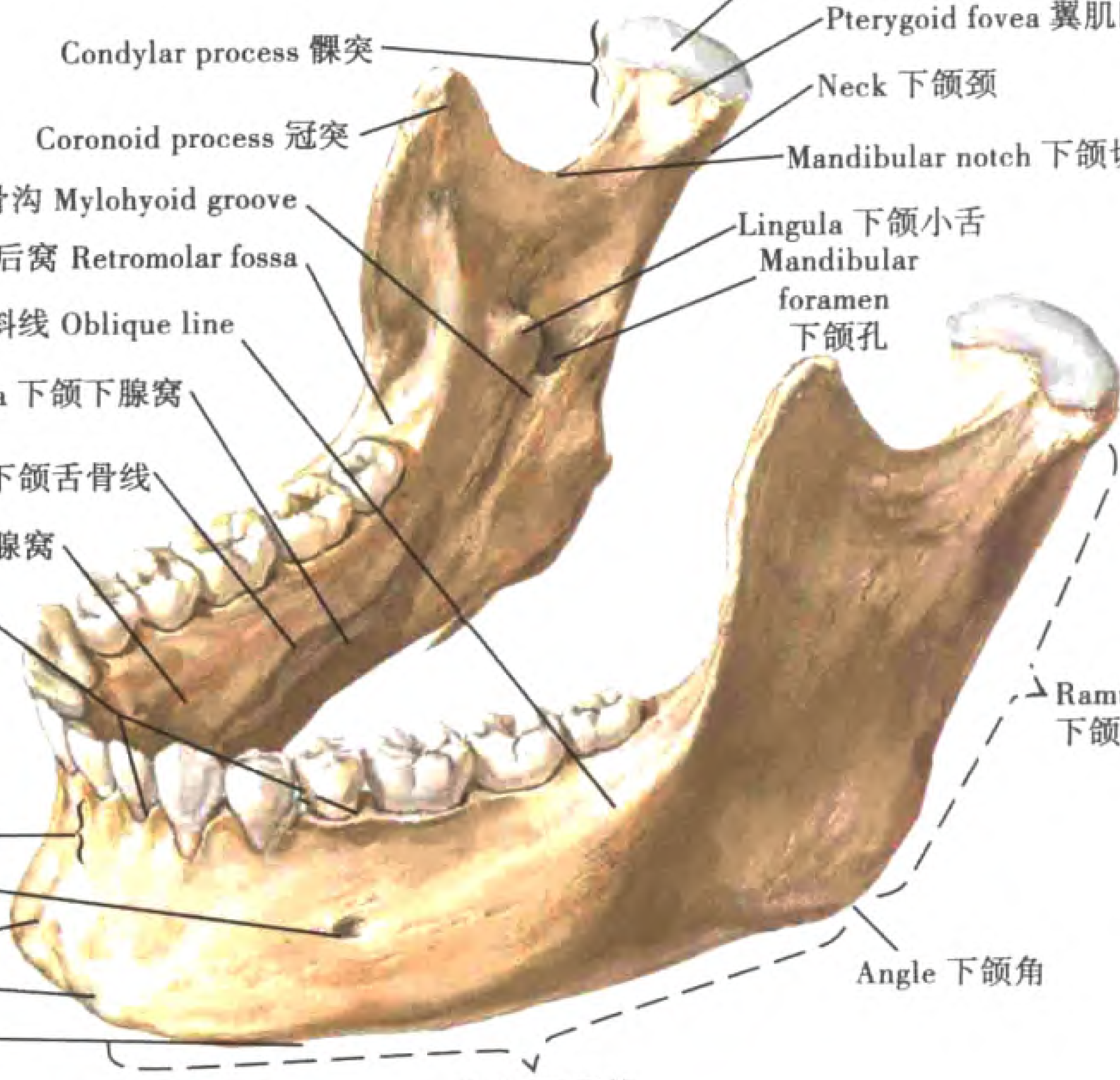
Posterior view
后面观

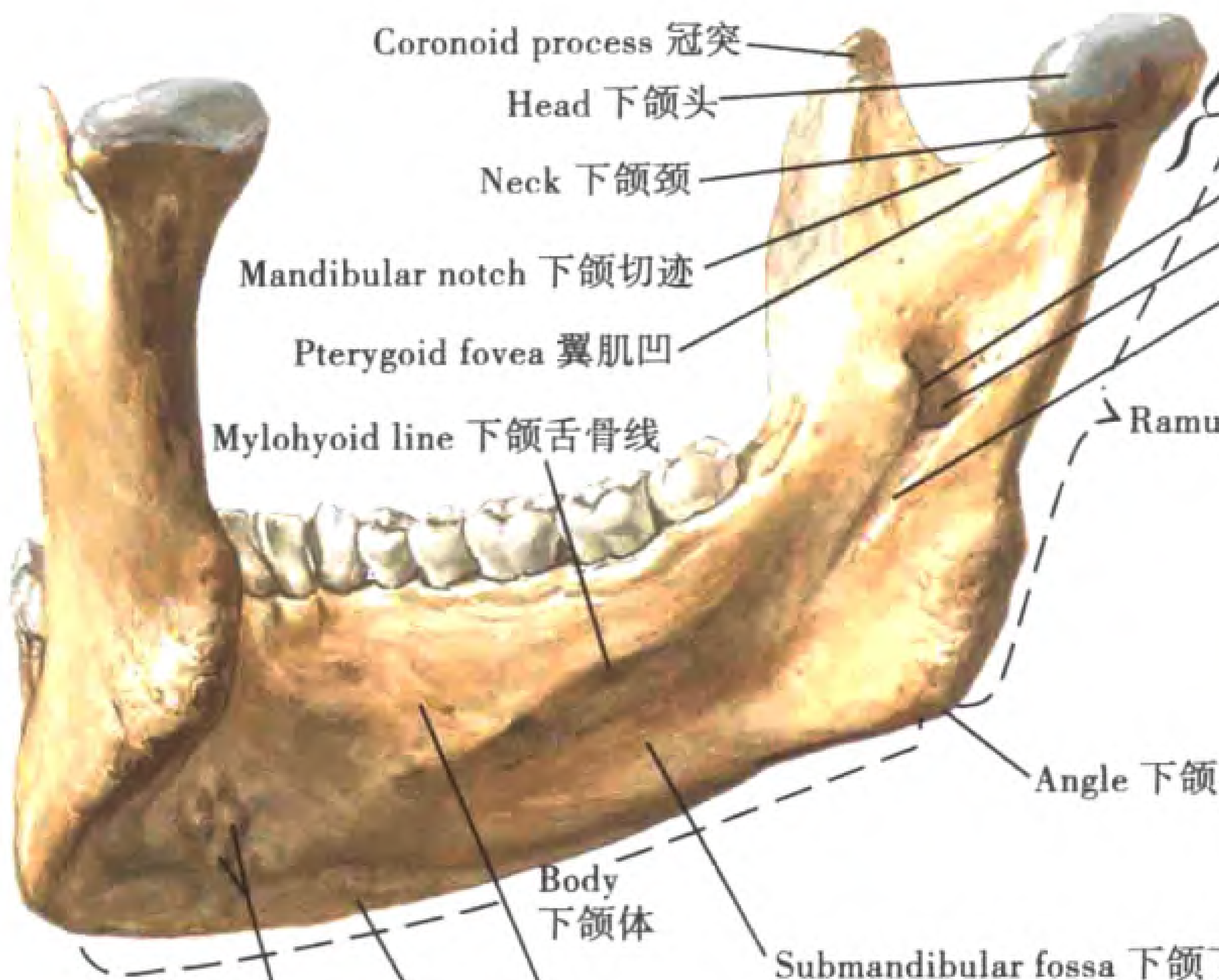


Inferolateral view
下外侧面观



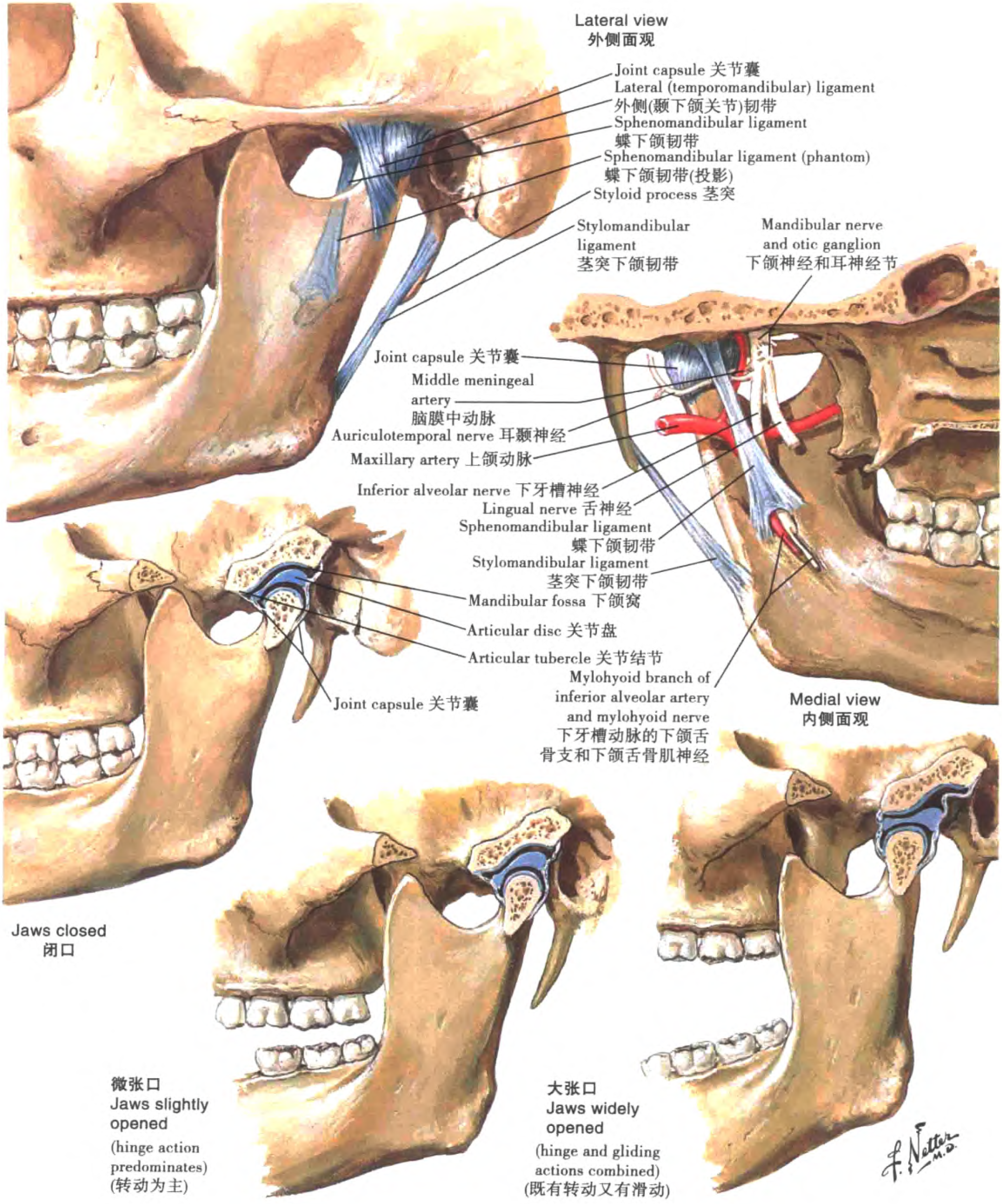
参见图 49

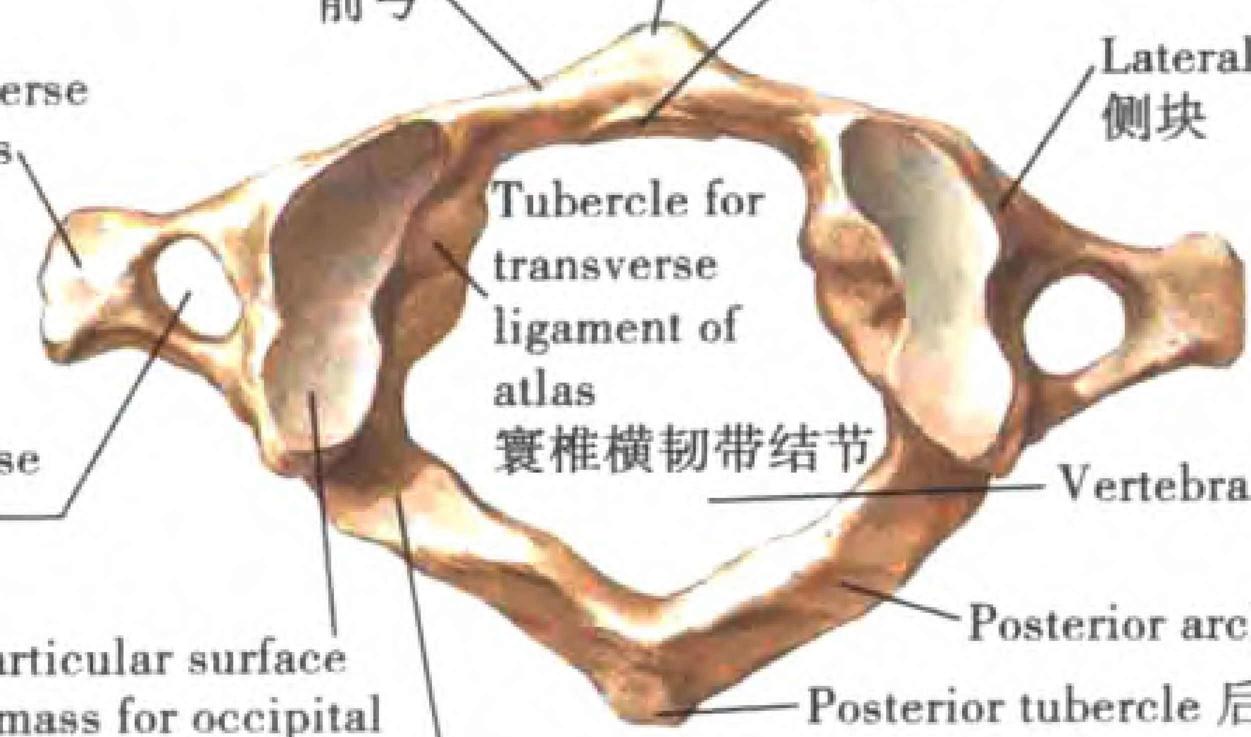




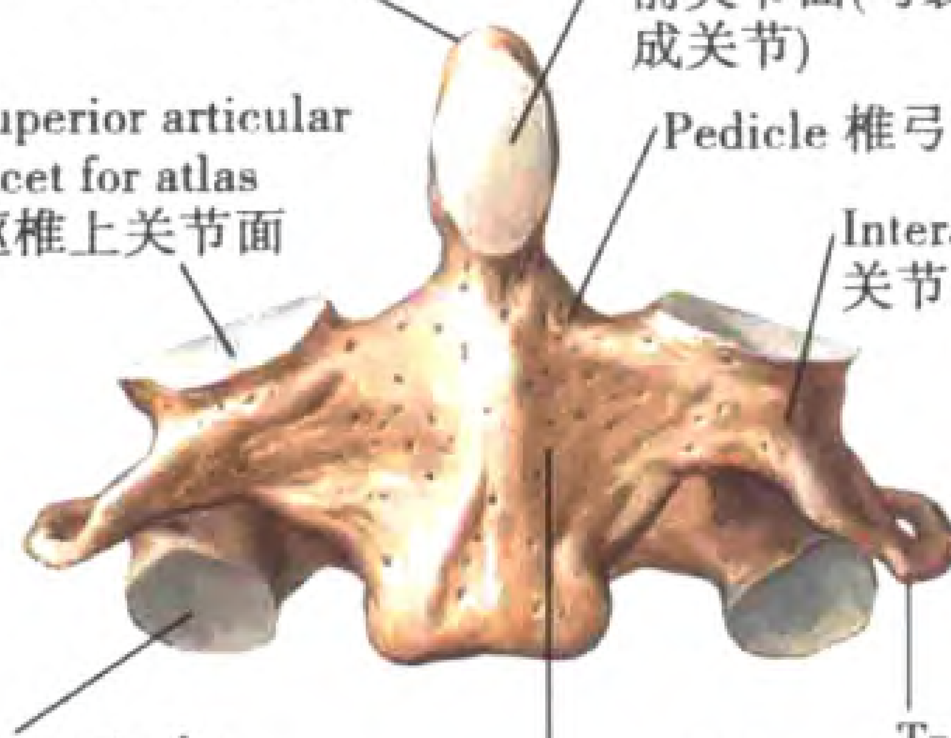


Mandible of aged person (edentulous)
老年人下颌骨(无牙)

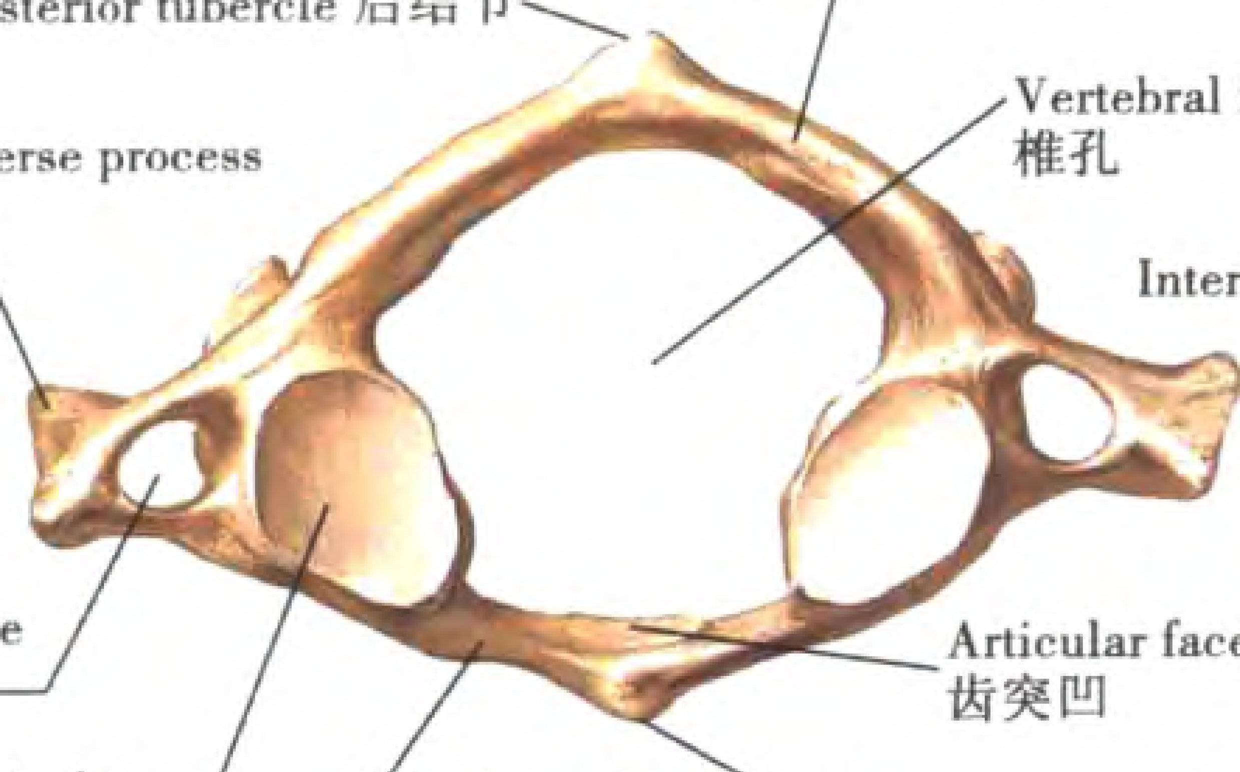

Lateral view
外侧面观
Joint capsule 关节囊
Lateral (temporomandibular) ligament
外侧(颞下颌关节)韧带
Sphenomandibular ligament
蝶下颌韧带
Sphenomandibular ligament (phantom)
蝶下颌韧带(投影)
Styloid process 茎突
Stylomandibular ligament
茎突下颌韧带
Mandibular nerve and otic ganglion
下颌神经和耳神经节
Joint capsule 关节囊
Middle meningeal artery
脑膜中动脉
Auriculotemporal nerve 耳颞神经
Maxillary artery 上颌动脉
Inferior alveolar nerve 下牙槽神经
Lingual nerve 舌神经
Sphenomandibular ligament
蝶下颌韧带
Stylomandibular ligament
茎突下颌韧带
Mandibular fossa 下颌窝
Articular disc 关节盘
Articular tubercle 关节结节
Joint capsule 关节囊
Mylohyoid branch of inferior alveolar artery and mylohyoid nerve
下牙槽动脉的下颌舌骨支和下颌舌骨肌神经
Medial view
内侧面观
Jaws closed
闭口
微张口
Jaws slightly opened
(hinge action predominates)
(转动为主)
大张口
Jaws widely opened
(hinge and gliding actions combined)
(既有转动又有滑动)
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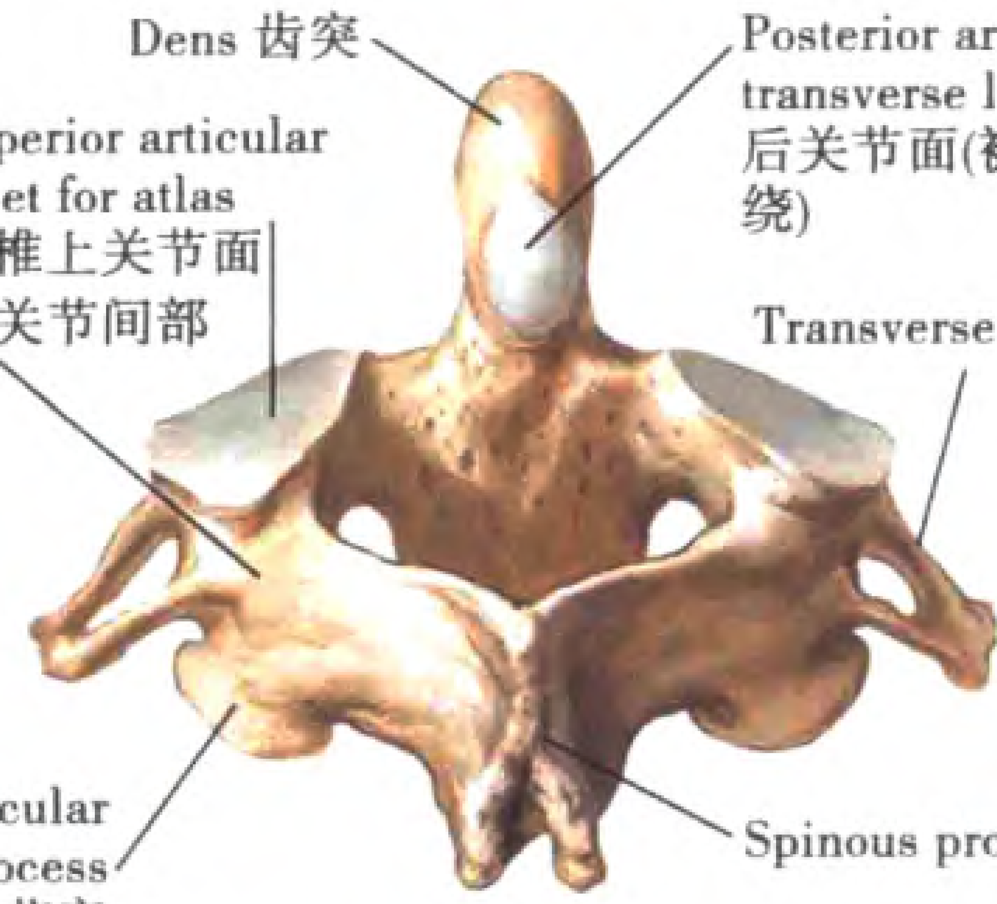
Atlas(C1): superior view
寰椎:上面观



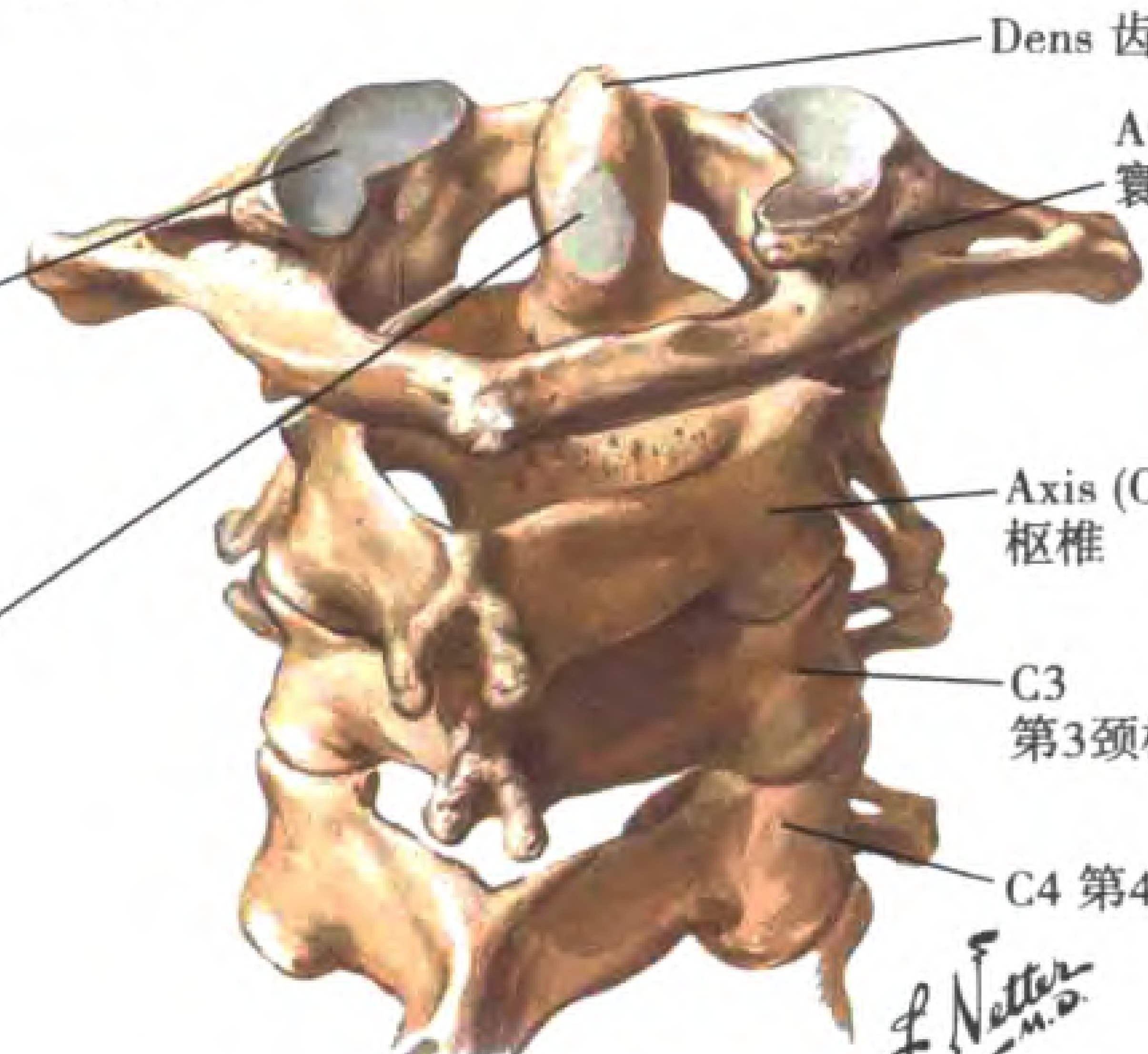
Axis (C2): anterior view
枢椎:前面观



Atlas (C1): inferior view
寰椎:下面观



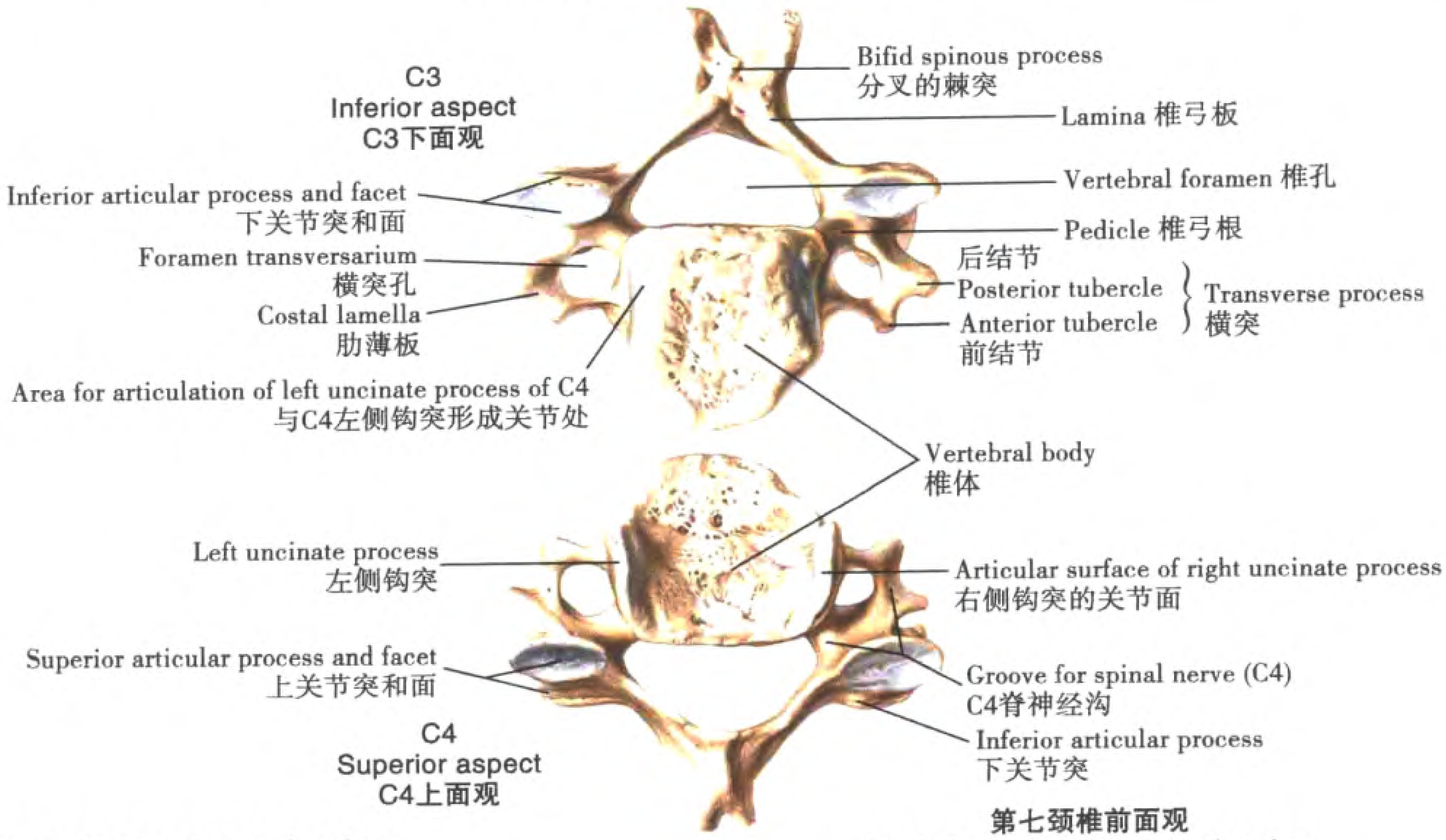
Axis(C2): posterosuperior view
枢椎:后上面观



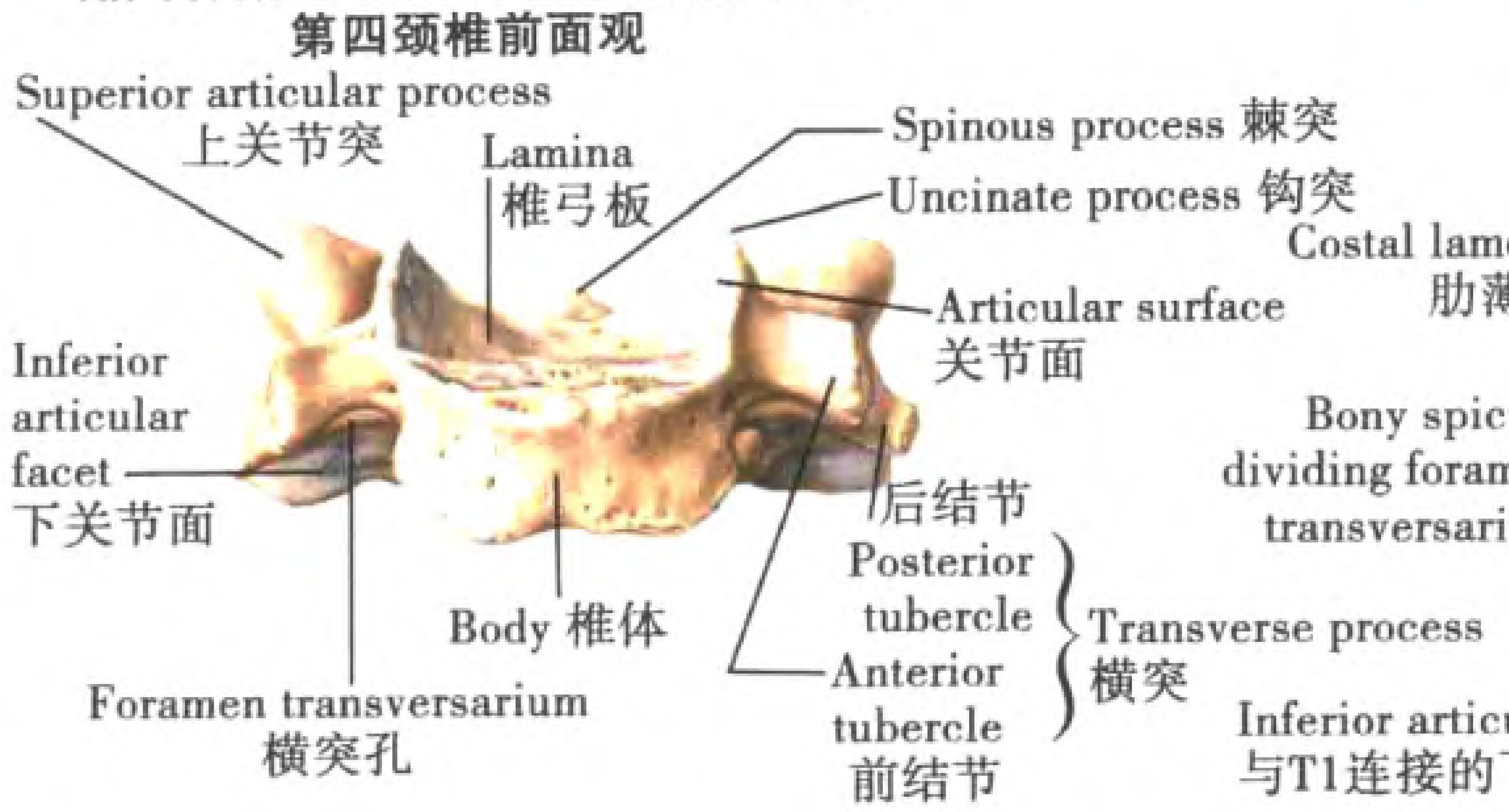
Upper cervical vertebrae, assembled: posterosuperior view
上段颈椎:后上面观

参见图21,22

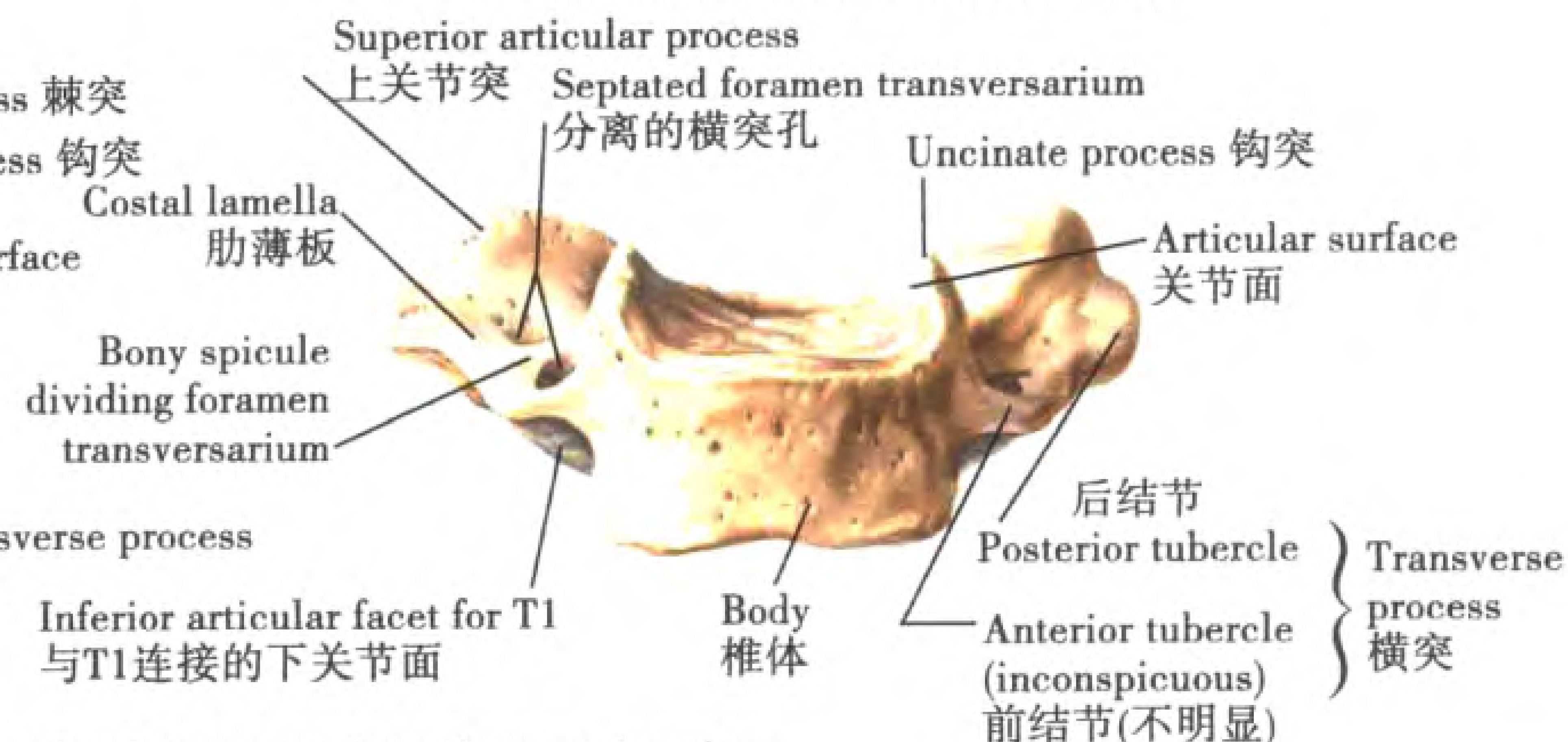
Inferior aspect of C3 and superior aspect of C4 showing the sites of the facet and uncovertebral articulations
C3下面和C4上面展示了钩椎关节的关节面和连接



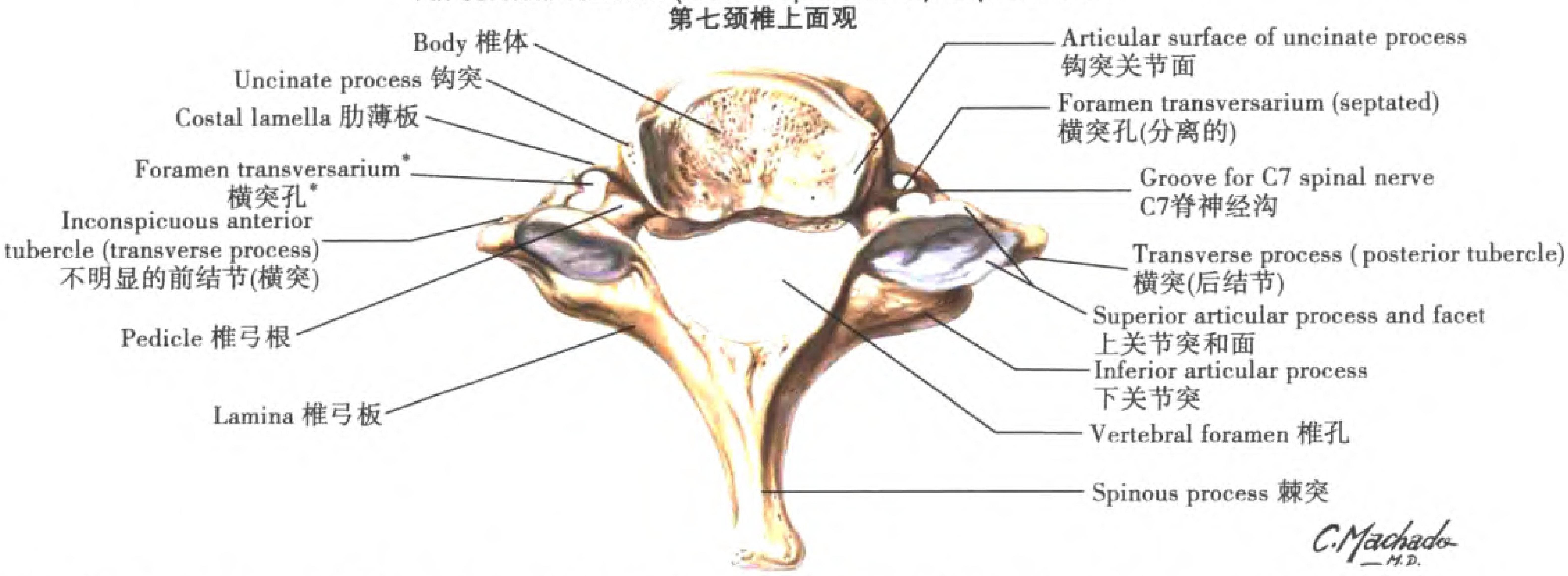
4th cervical vertebra: anterior view
第四颈椎前面观



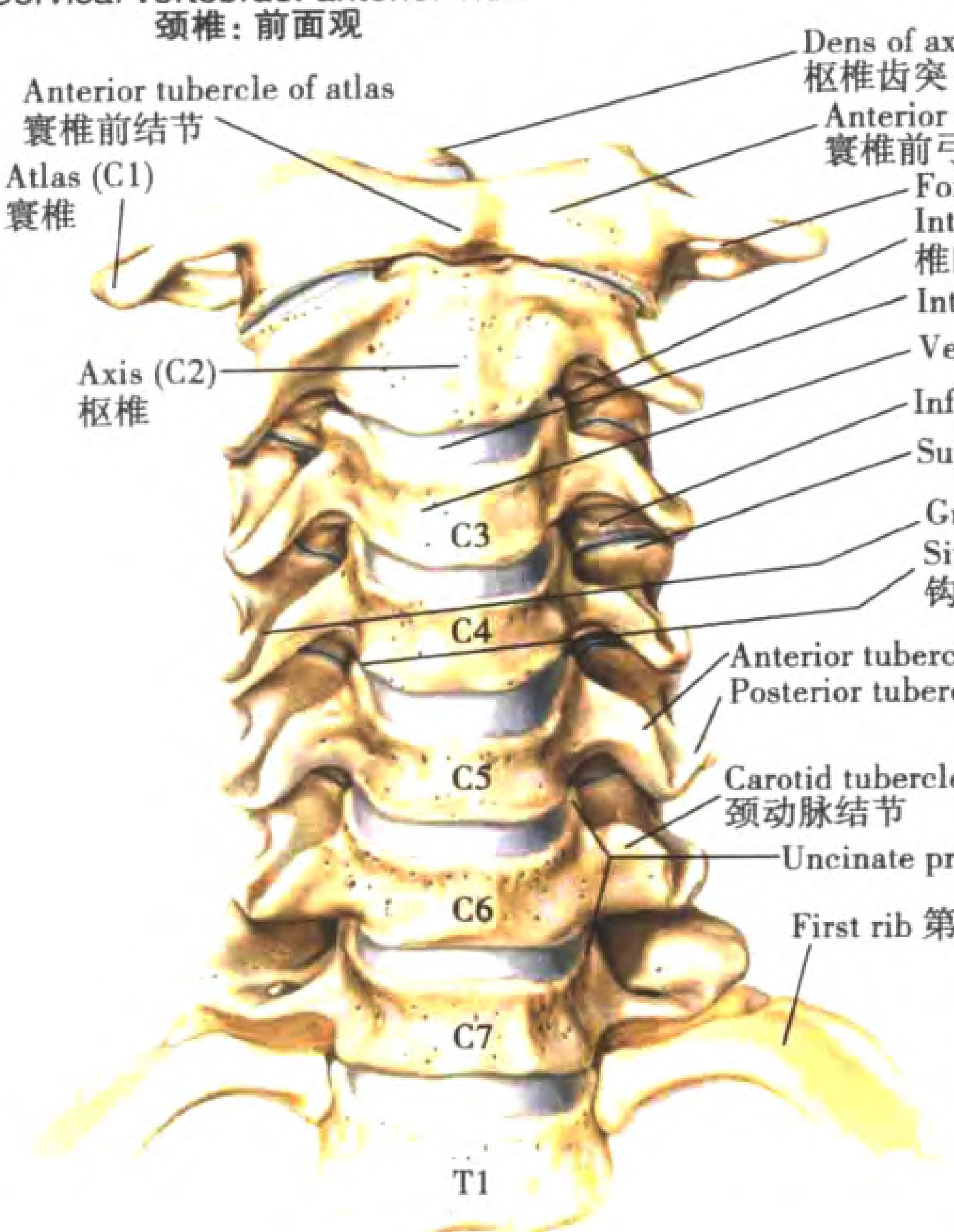
第七颈椎前面观
7th cervical vertebra: anterior view

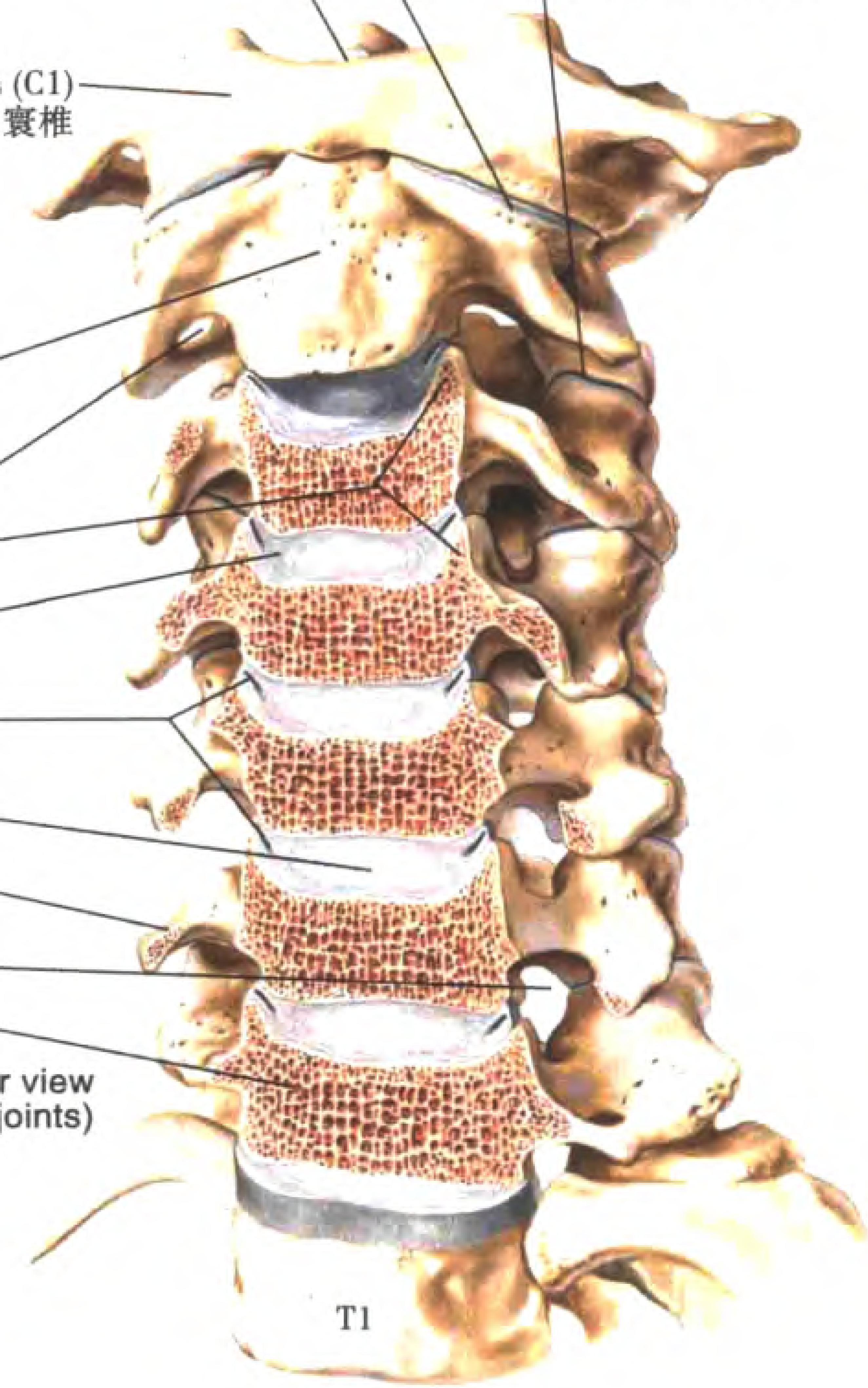


7th cervical vertebra (vertebra prominens): superior view
第七颈椎上面观

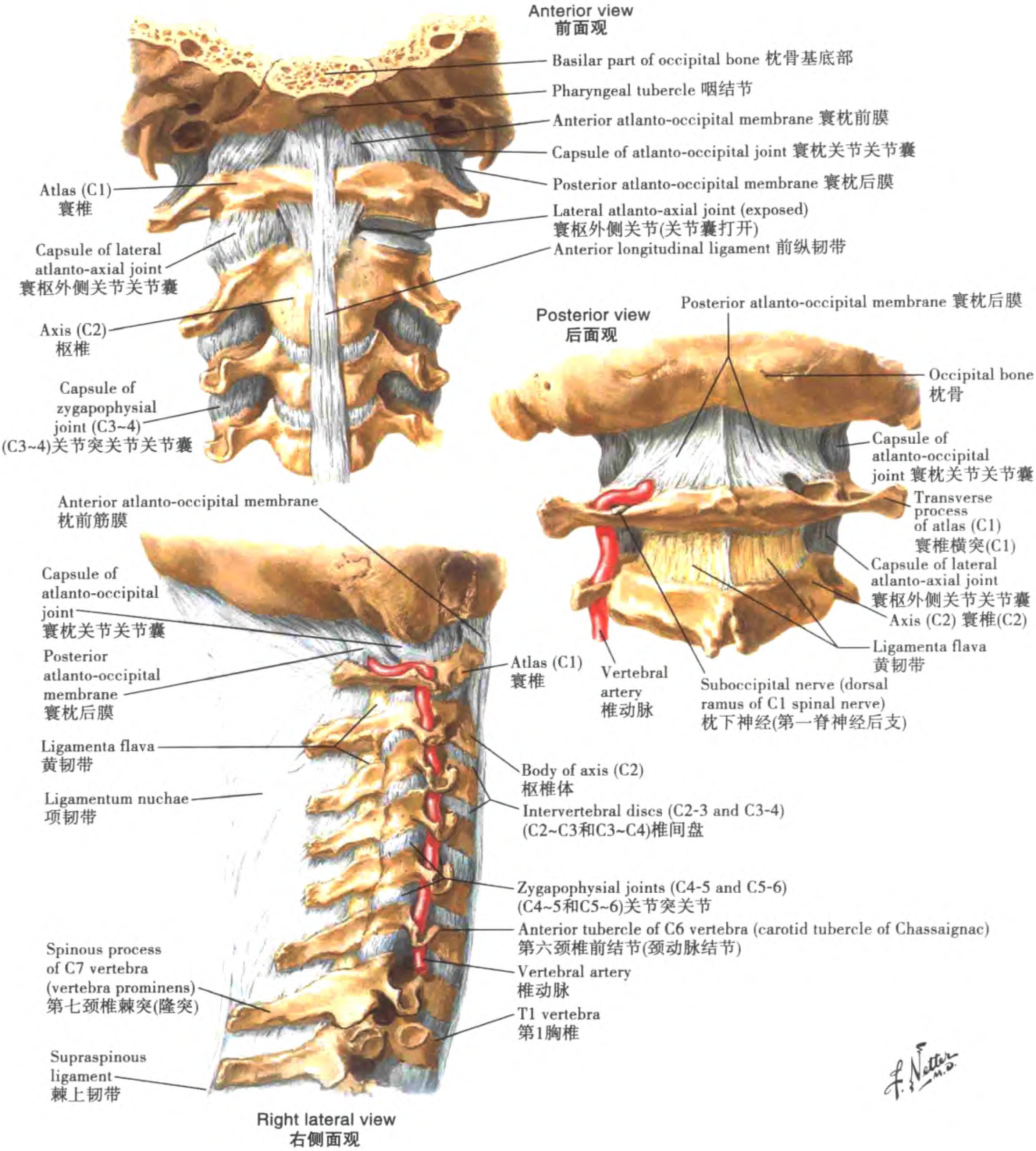


*The foramina transversaria of C7 transmit vertebral veins, but usually not the vertebral artery, and are asymmetrical in this specimen.
C7横突孔常穿行椎静脉而非动脉，并且此标本不对称

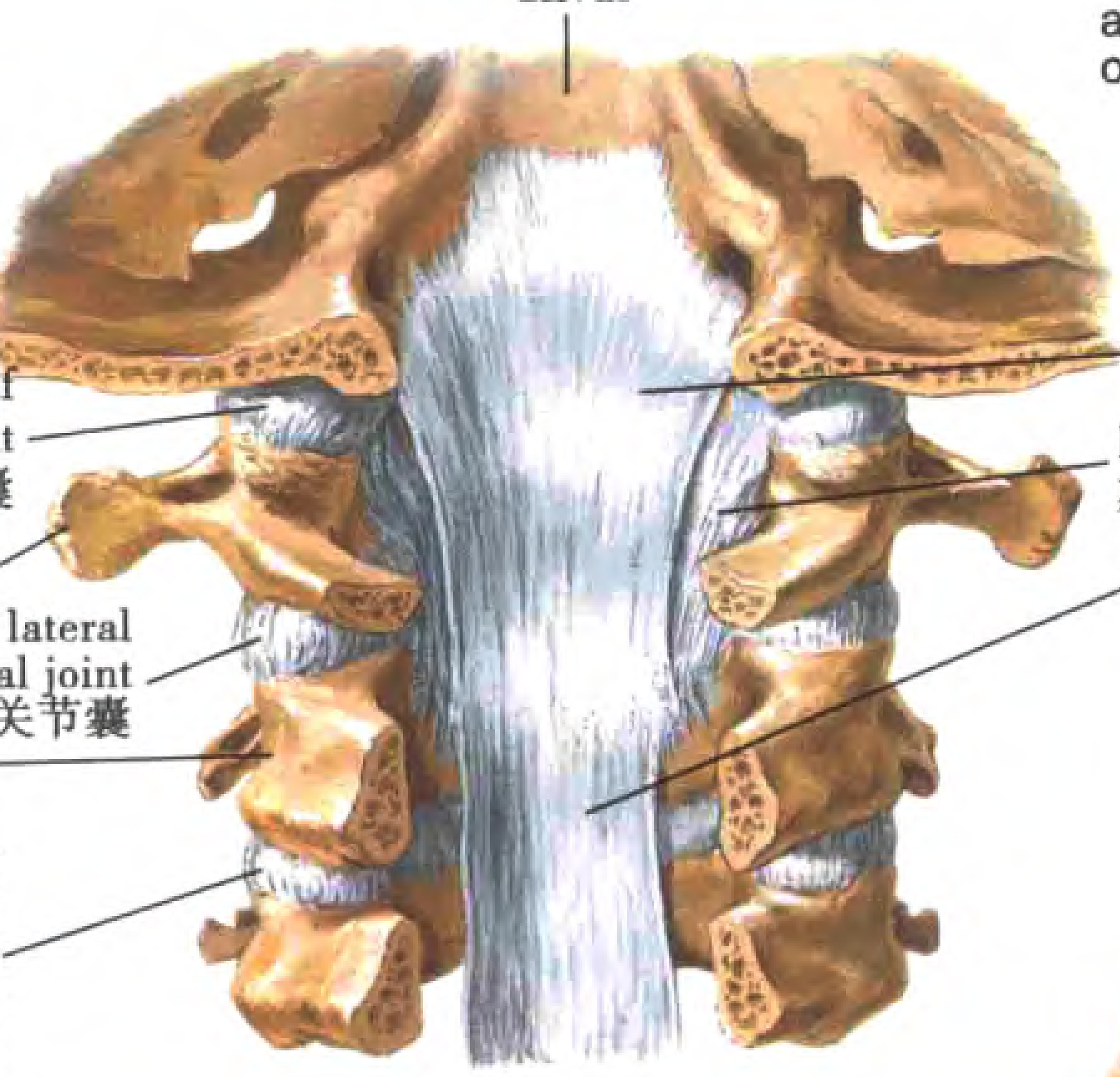




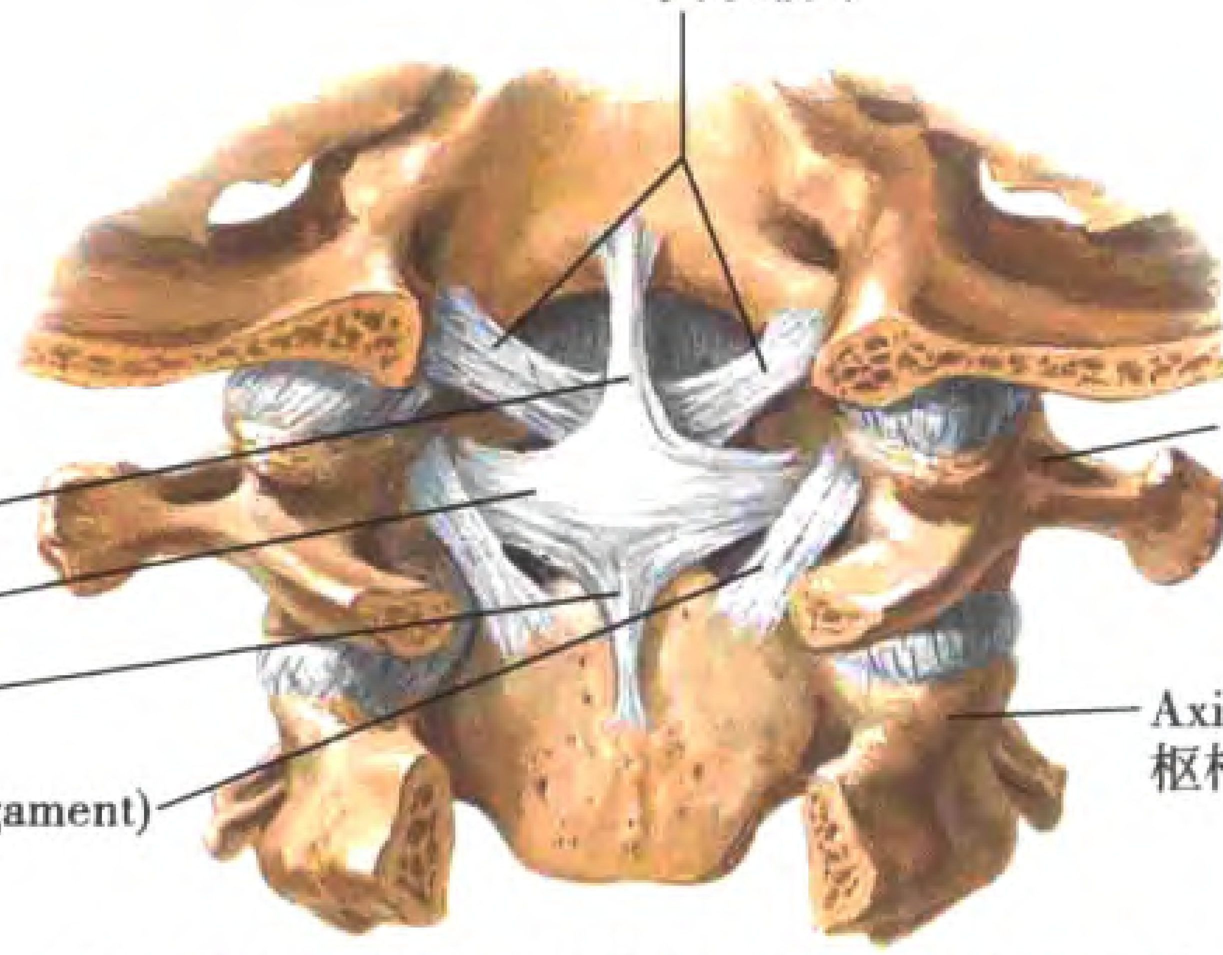
The uncovertebral joints of the cervical spine: anterior view
(C3 to C7 have been sectioned coronally to expose the joints)
颈椎钩椎关节:前面观
(C3~C7被部分冠状方向切除以暴露关节)


Anterior view
前面观
Basilar part of occipital bone 枕骨基底部
Pharyngeal tubercle 咽结节
Anterior atlanto-occipital membrane 寰枕前膜
Capsule of atlanto-occipital joint 寰枕关节关节囊
Posterior atlanto-occipital membrane 寰枕后膜
Atlas (C1) 寰椎
Lateral atlanto-axial joint (exposed) 寰枢外侧关节(关节囊打开)
Capsule of lateral atlanto-axial joint 寰枢外侧关节关节囊
Anterior longitudinal ligament 前纵韧带
Axis (C2) 枢椎
Capsule of zygapophysial joint (C3~4) (C3~4)关节突关节关节囊
Posterior view
后面观
Posterior atlanto-occipital membrane 寰枕后膜
Occipital bone 枕骨
Capsule of atlanto-occipital joint 寰枕关节关节囊
Transverse process of atlas (C1) 寰椎横突(C1)
Capsule of lateral atlanto-axial joint 寰枢外侧关节关节囊
Axis (C2) 寰椎(C2)
Ligamenta flava 黄韧带
Vertebral artery 椎动脉
Suboccipital nerve (dorsal ramus of C1 spinal nerve) 枕下神经(第一脊神经后支)
Anterior atlanto-occipital membrane 枕前筋膜
Capsule of atlanto-occipital joint 寰枕关节关节囊
Posterior atlanto-occipital membrane 寰枕后膜
Atlas (C1) 寰椎
Ligamenta flava 黄韧带
Body of axis (C2) 枢椎体
Ligamentum nuchae 项韧带
Intervertebral discs (C2-3 and C3-4) (C2~C3和C3~C4)椎间盘
Zygapophysial joints (C4-5 and C5-6) (C4~5和C5~6)关节突关节
Anterior tubercle of C6 vertebra (carotid tubercle of Chassaignac) 第六颈椎前结节(颈动脉结节)
Spinous process of C7 vertebra (vertebra prominens) 第七颈椎棘突(隆突)
Vertebral artery 椎动脉
T1 vertebra 第1胸椎
Supraspinous ligament 棘上韧带
Right lateral view
右侧面观

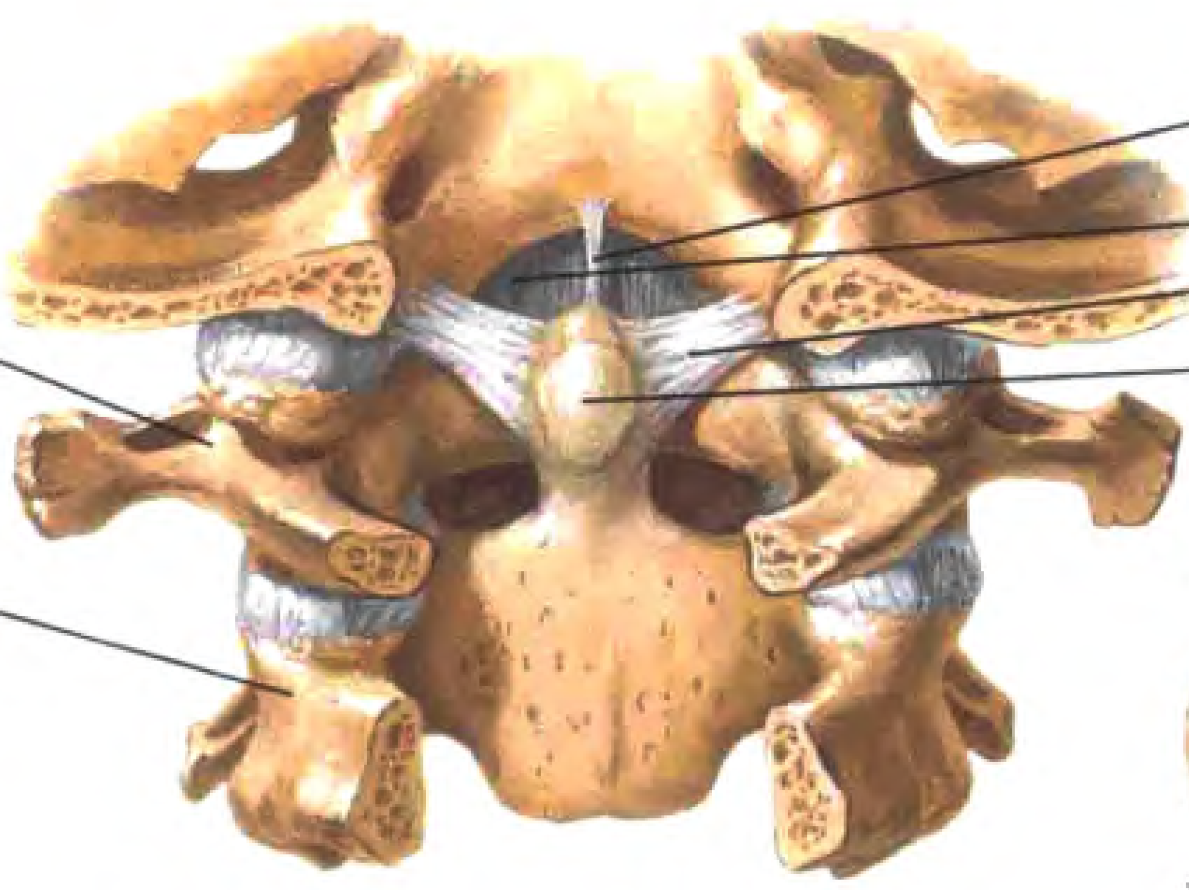
参见图 46,124



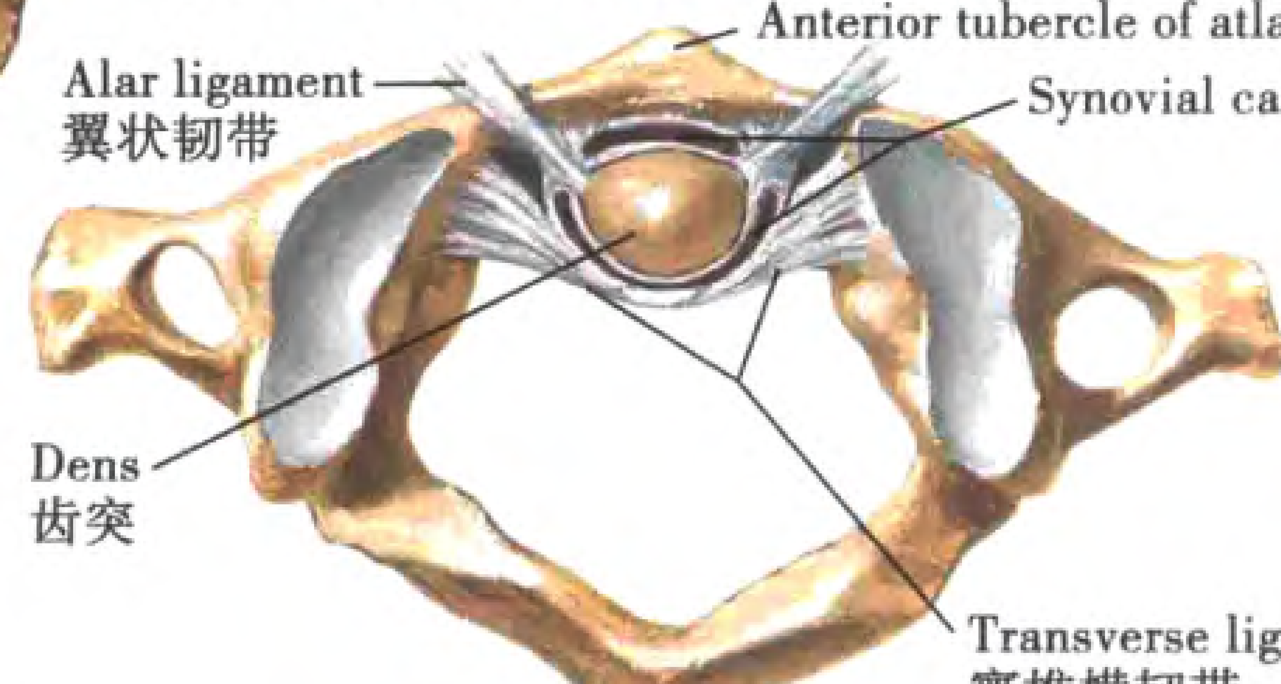
Upper part of vertebral canal with spinous processes and parts of vertebral arches removed to expose ligaments on posterior vertebral bodies: posterior view
切除上部椎管的棘突和部分椎弓，显露椎体后面的韧带：后面观



Principal part of tectorial membrane removed to expose deeper ligaments: posterior view
切除覆膜主体部分，显露深部韧带：后面观



Cruciate ligament removed to show deeper ligaments: posterior view
切除十字韧带，示最深层韧带：后面观

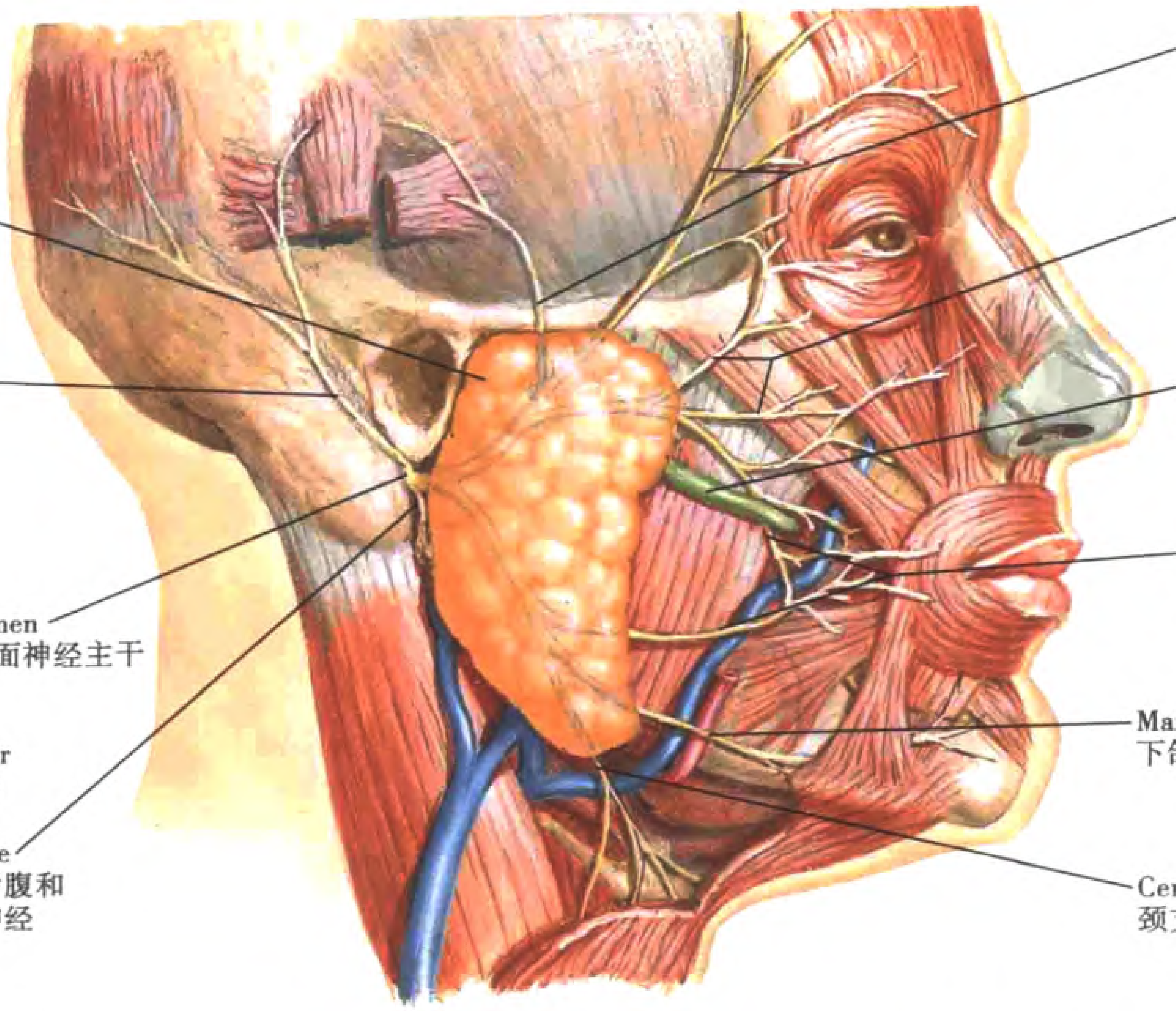


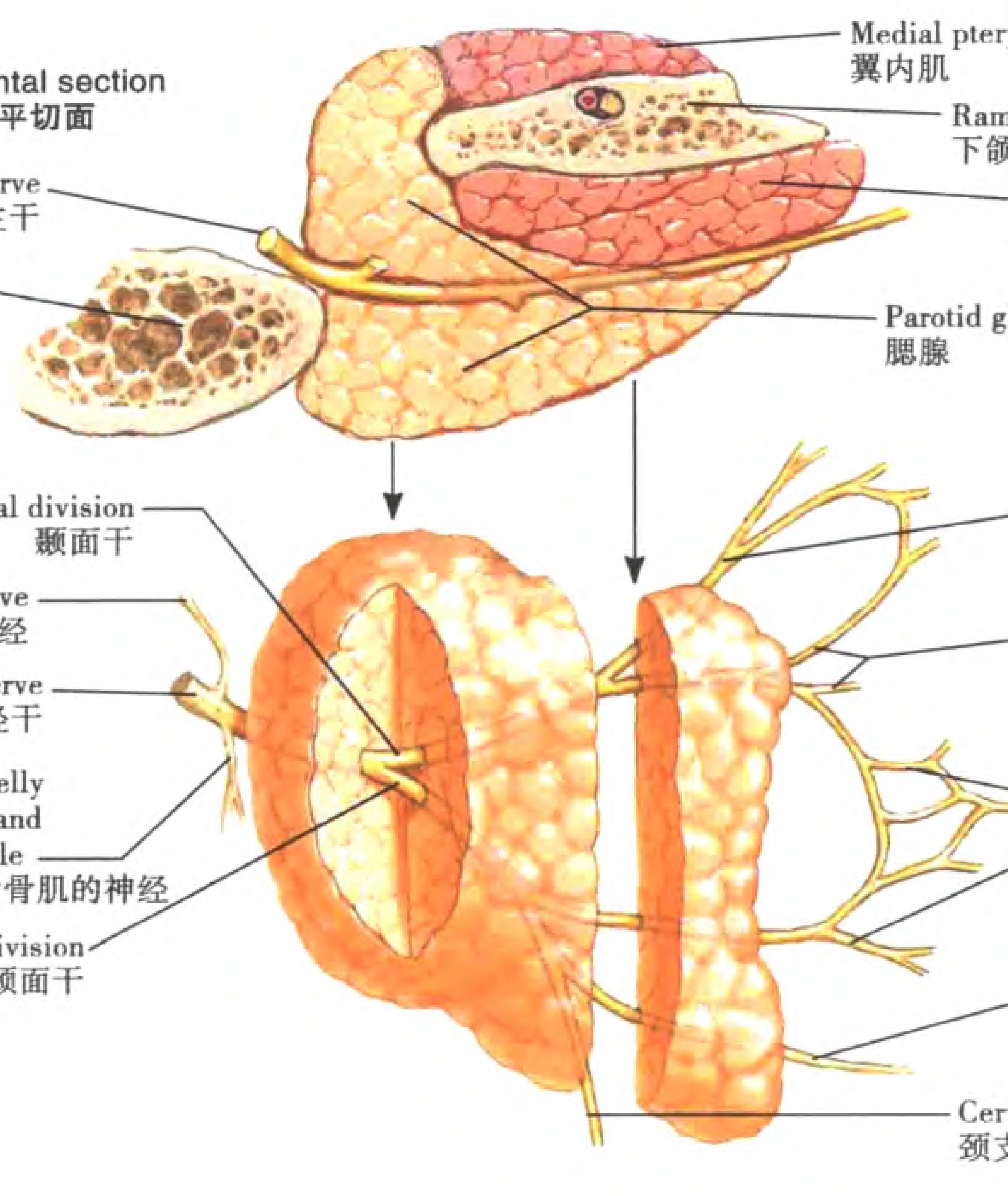
Median atlanto-axial joint: superior view
枢椎正中关节：上面观

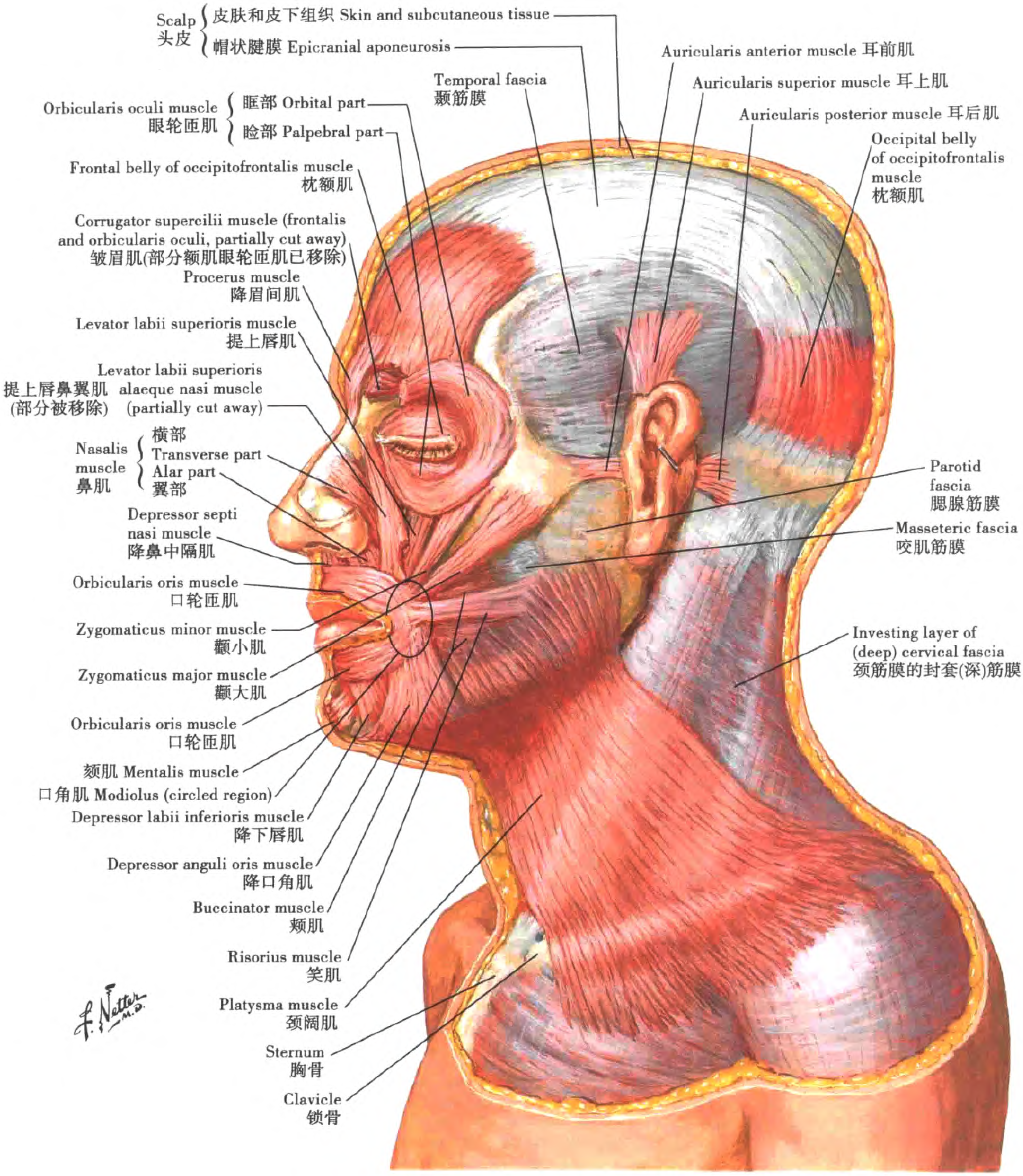
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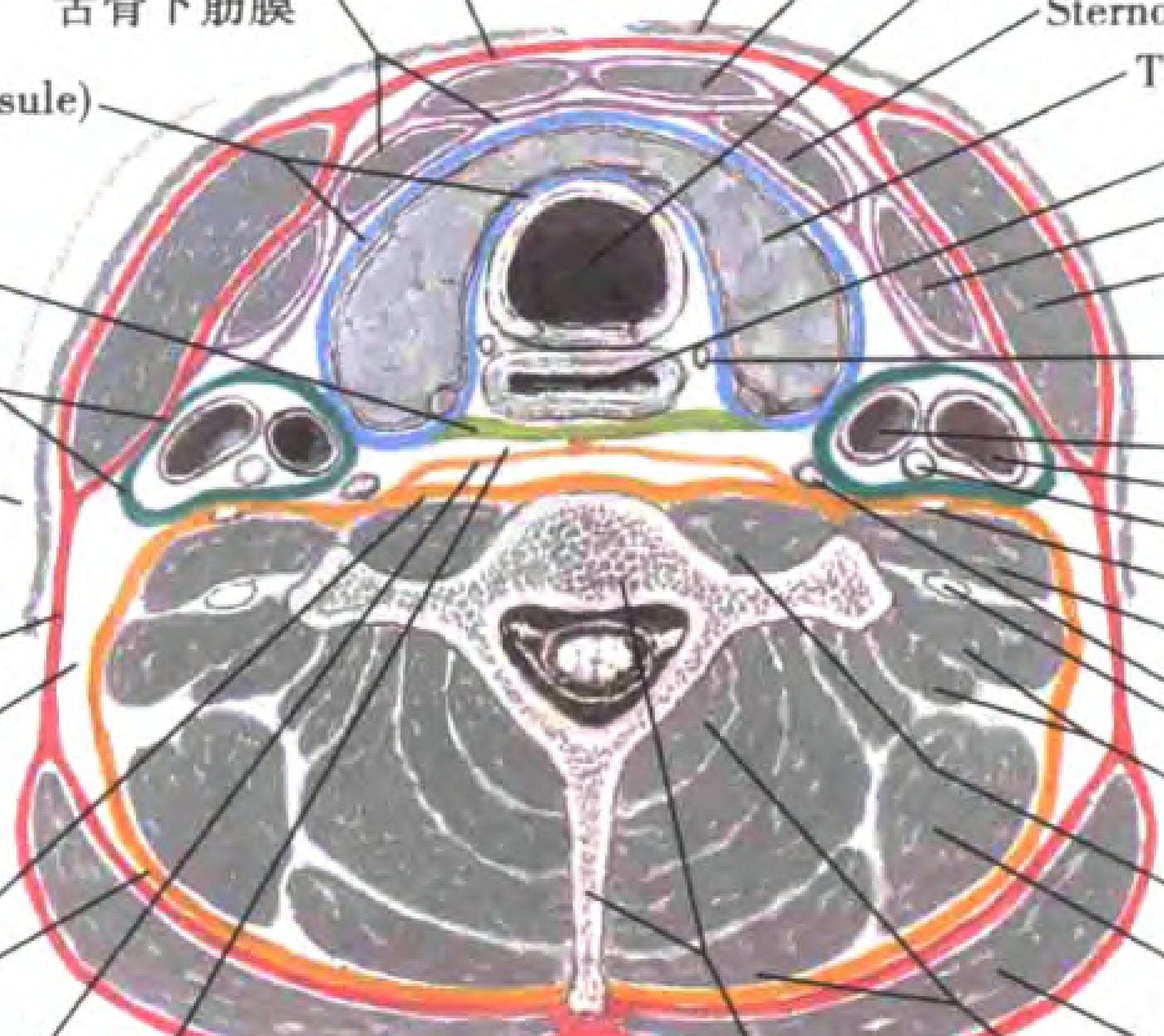
面神经分支和腮腺

参见图 46，124

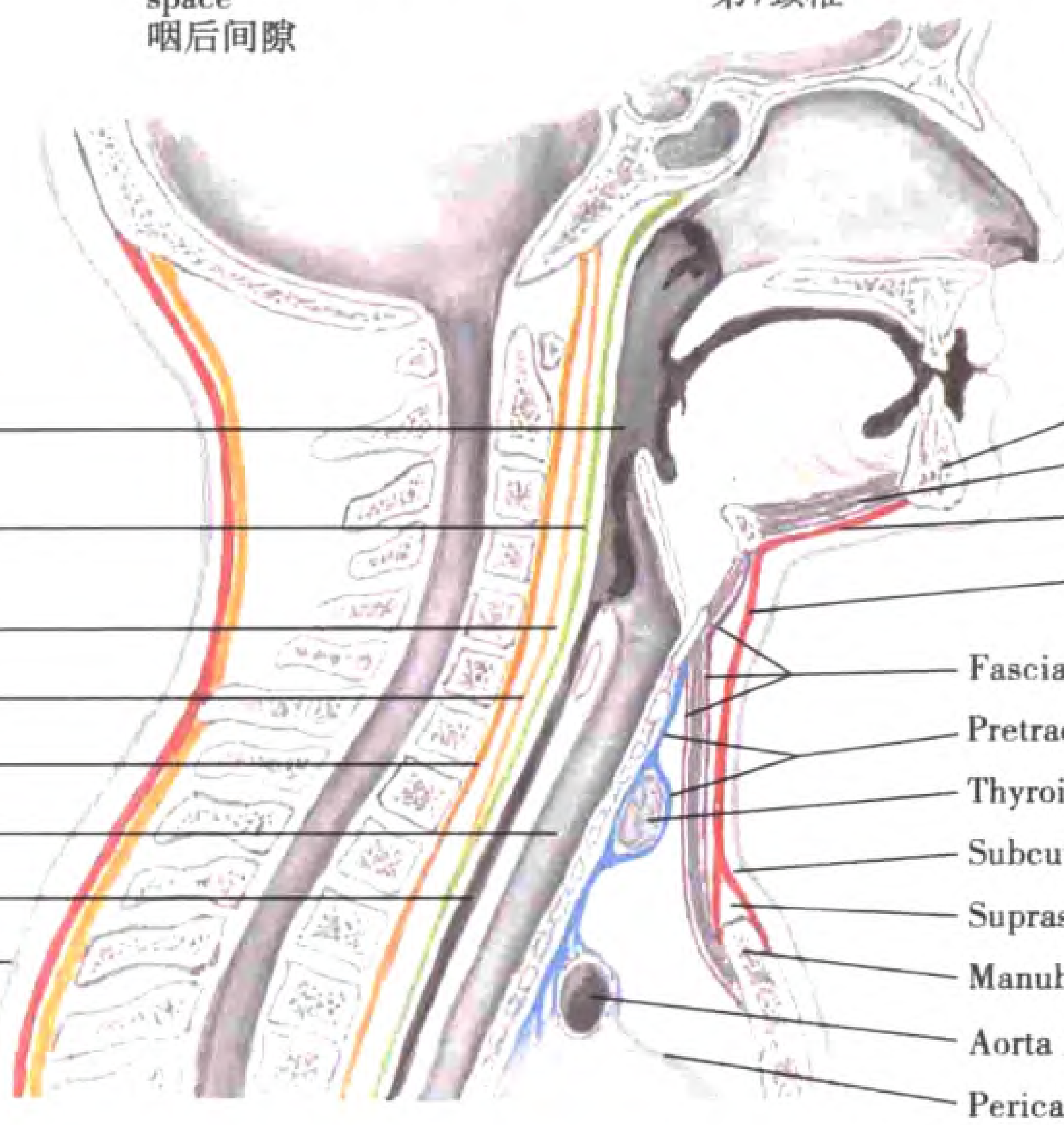




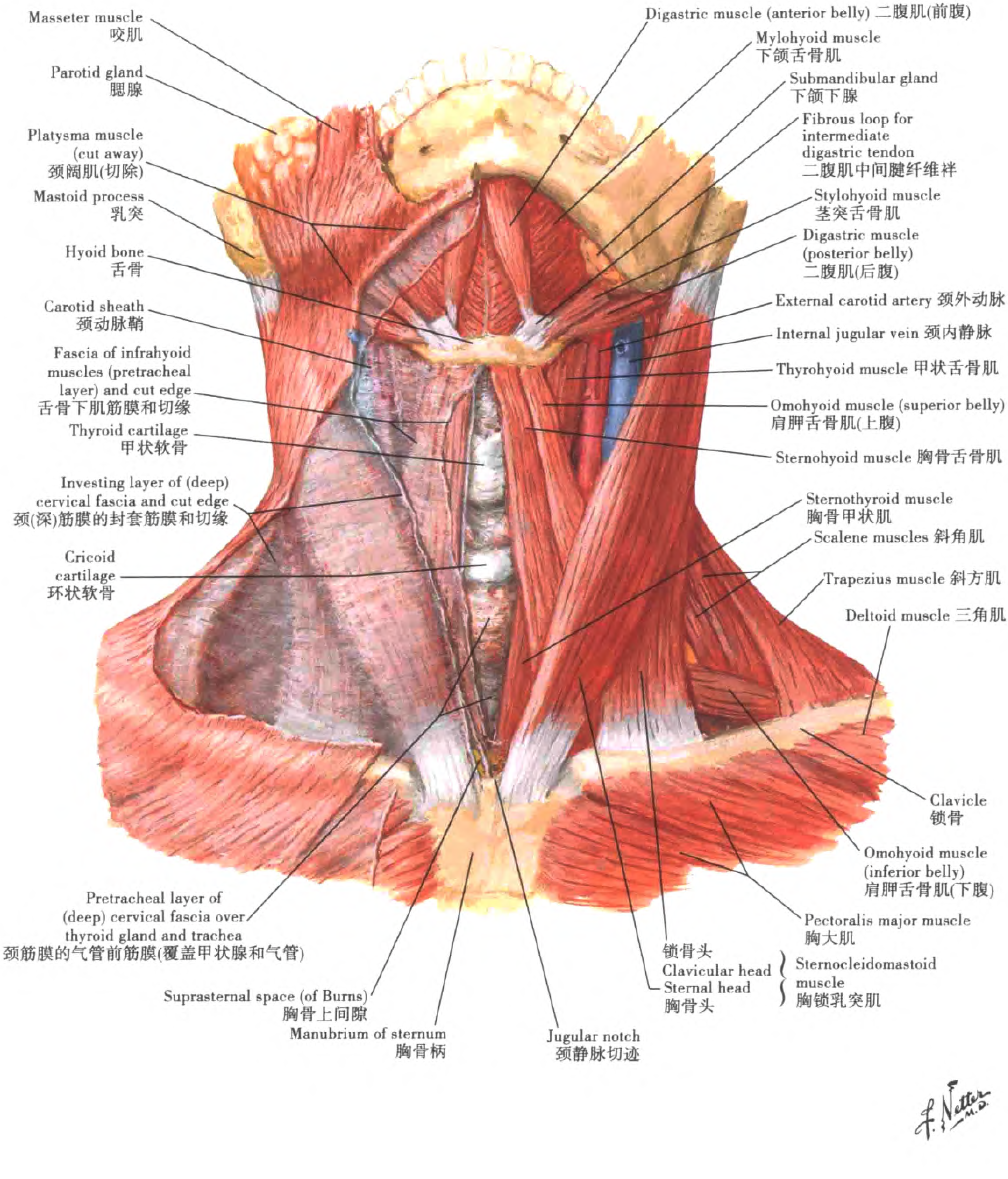

Scalp 头皮
皮肤和皮下组织 Skin and subcutaneous tissue
帽状腱膜 Epicranial aponeurosis
Orbicularis oculi muscle 眼轮匝肌
眶部 Orbital part
睑部 Palpebral part
Frontal belly of occipitofrontalis muscle 枕额肌
Corrugator supercilii muscle (frontalis and orbicularis oculi, partially cut away) 皱眉肌(部分额肌眼轮匝肌已移除)
Procerus muscle 降眉间肌
Levator labii superioris muscle 提上唇肌
Levator labii superioris alaeque nasi muscle (partially cut away) 提上唇鼻翼肌(部分被移除)
Nasalis muscle 鼻肌
横部 Transverse part
Alar part 翼部
Depressor septi nasi muscle 降鼻中隔肌
Orbicularis oris muscle 口轮匝肌
Zygomaticus minor muscle 颧小肌
Zygomaticus major muscle 颧大肌
Orbicularis oris muscle 口轮匝肌
颏肌 Mentalis muscle
口角肌 Modiolus (circled region)
Depressor labii inferioris muscle 降下唇肌
Depressor anguli oris muscle 降口角肌
Buccinator muscle 颊肌
Risorius muscle 笑肌
Platysma muscle 颈阔肌
Sternum 胸骨
Clavicle 锁骨
Temporal fascia 颞筋膜
Auricularis anterior muscle 耳前肌
Auricularis superior muscle 耳上肌
Auricularis posterior muscle 耳后肌
Occipital belly of occipitofrontalis muscle 枕额肌
Parotid fascia 腮腺筋膜
Masseteric fascia 咬肌筋膜
Investing layer of (deep) cervical fascia 颈筋膜的封套(深)筋膜
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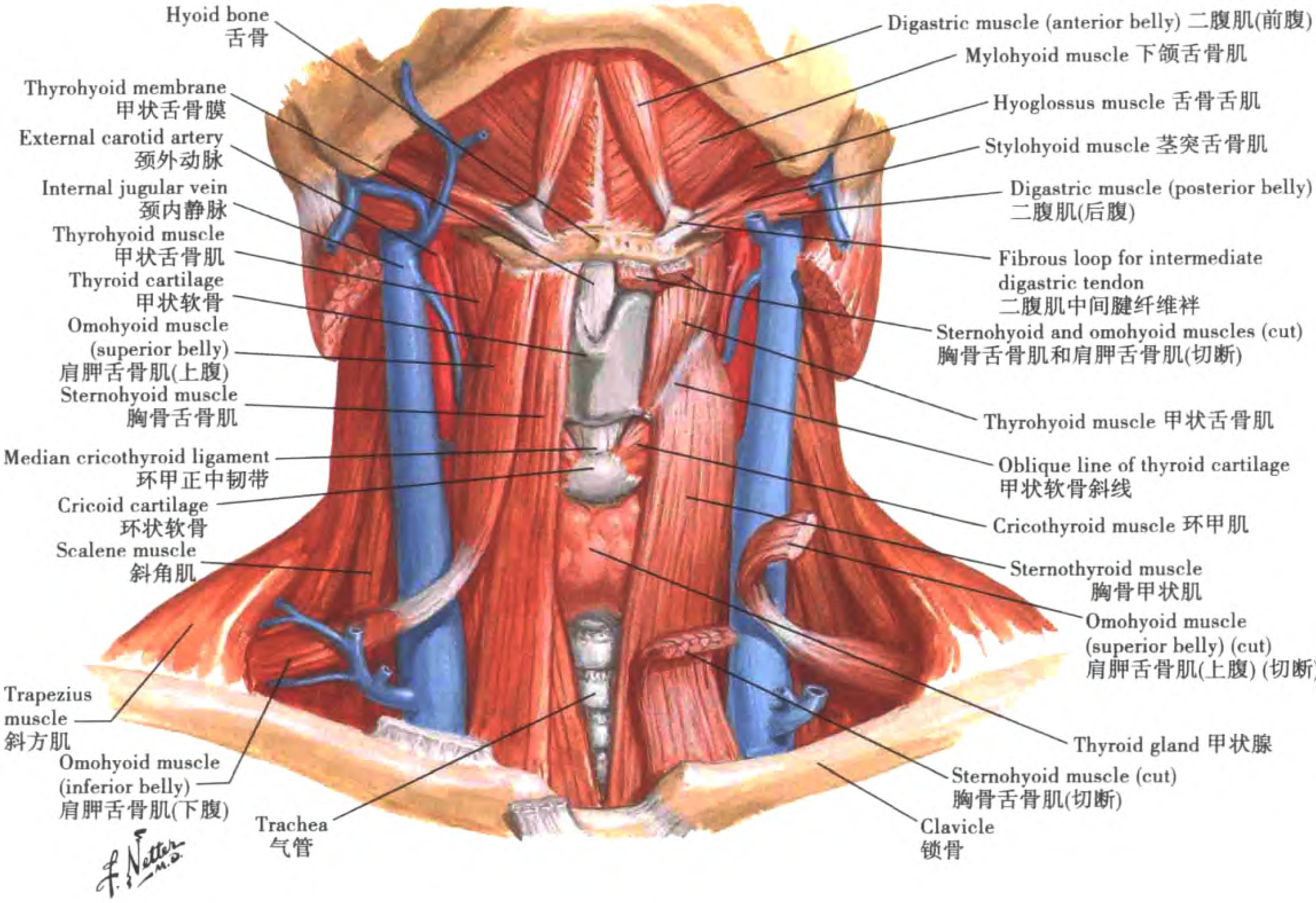


Cross section
横断面

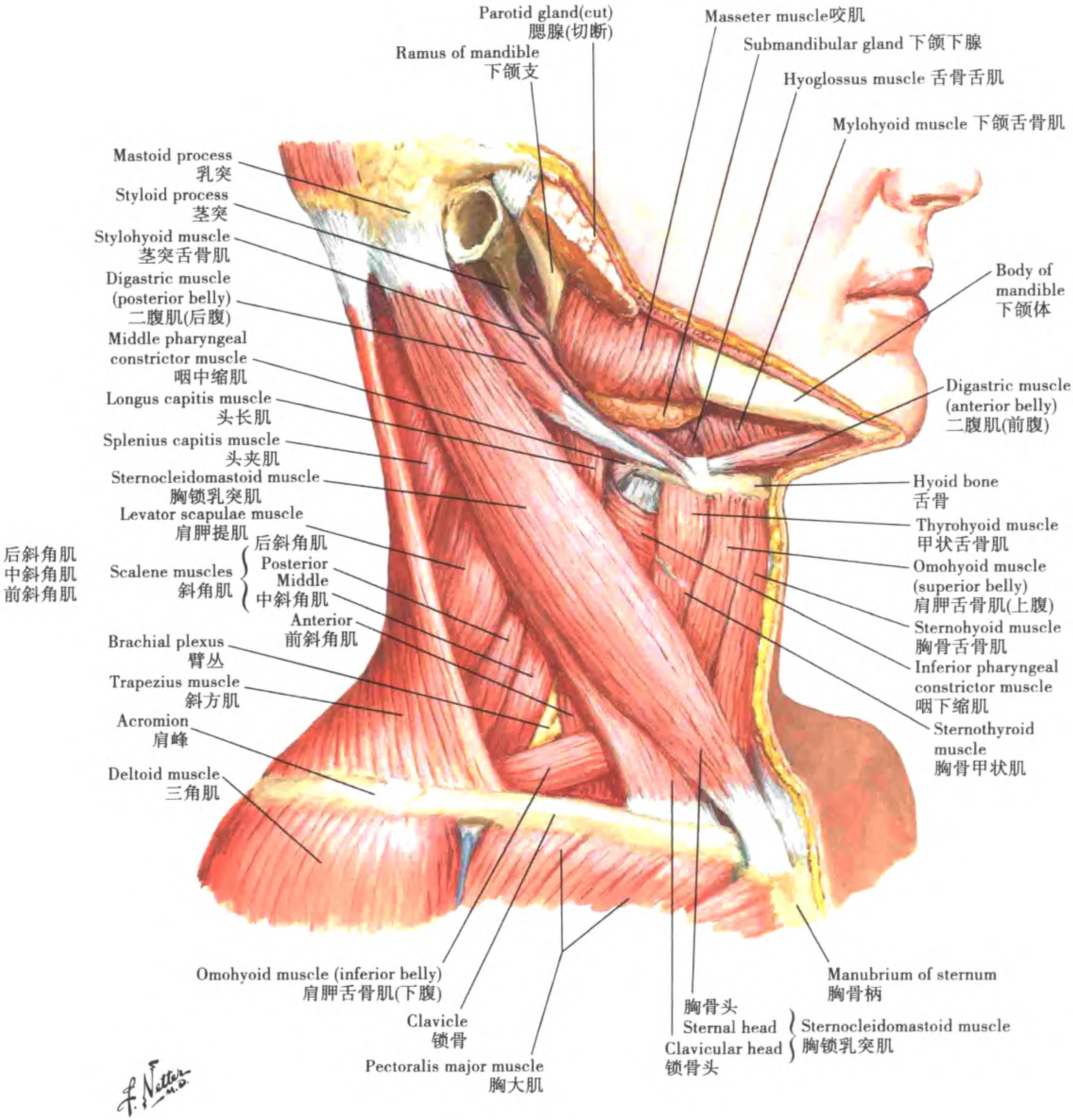


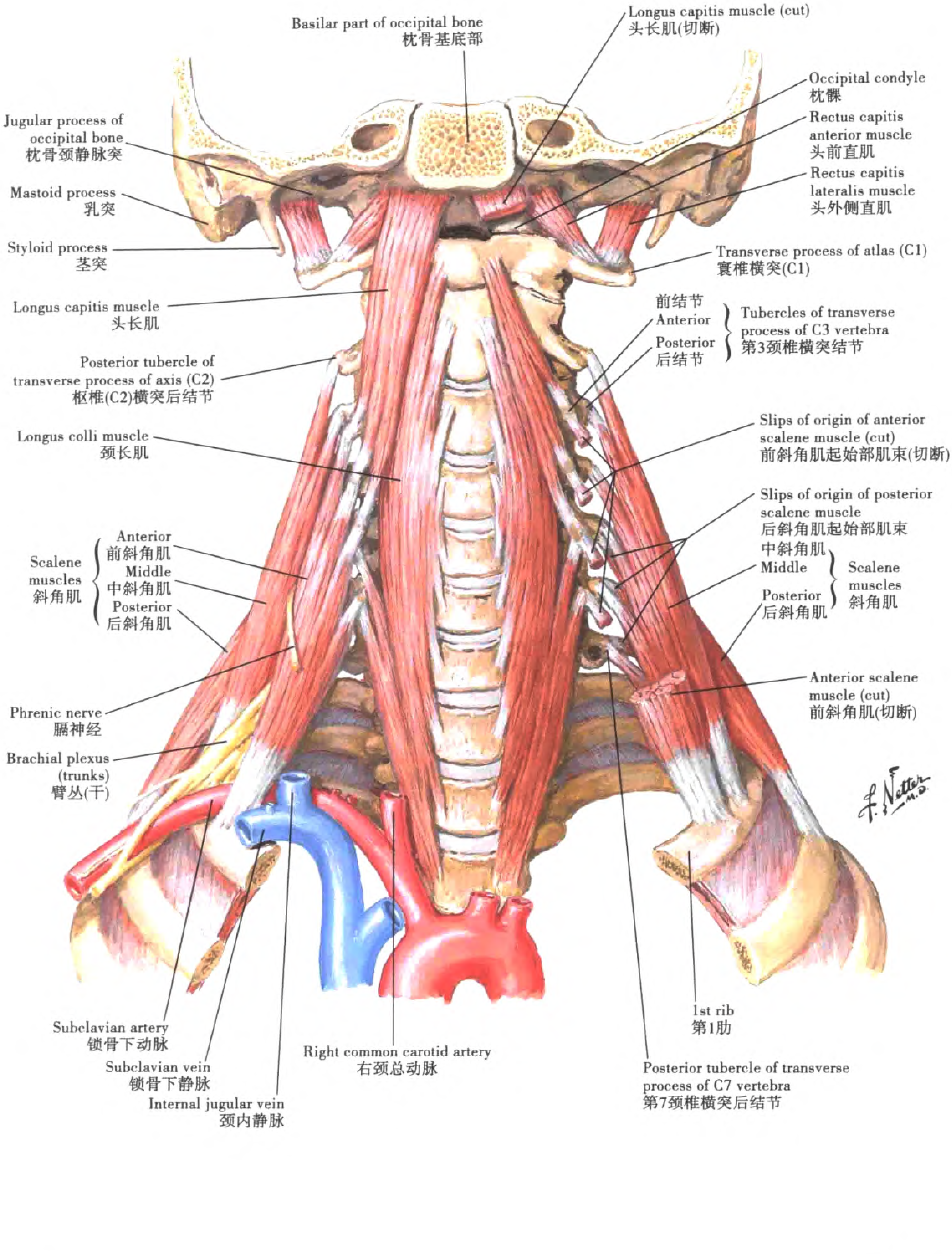
Sagittal section
矢状断面


Masseter muscle 咬肌
Parotid gland 腮腺
Platysma muscle (cut away) 颈阔肌(切除)
Mastoid process 乳突
Hyoid bone 舌骨
Carotid sheath 颈动脉鞘
Fascia of infrahyoid muscles (pretracheal layer) and cut edge 舌骨下肌筋膜和切缘
Thyroid cartilage 甲状软骨
Investing layer of (deep) cervical fascia and cut edge 颈(深)筋膜的封套筋膜和切缘
Cricoid cartilage 环状软骨
Pretracheal layer of (deep) cervical fascia over thyroid gland and trachea 颈筋膜的气管前筋膜(覆盖甲状腺和气管)
Suprasternal space (of Burns) 胸骨上间隙
Manubrium of sternum 胸骨柄
Jugular notch 颈静脉切迹
Digastric muscle (anterior belly) 二腹肌(前腹)
Mylohyoid muscle 下颌舌骨肌
Submandibular gland 下颌下腺
Fibrous loop for intermediate digastric tendon 二腹肌中间腱纤维袢
Stylohyoid muscle 茎突舌骨肌
Digastric muscle (posterior belly) 二腹肌(后腹)
External carotid artery 颈外动脉
Internal jugular vein 颈内静脉
Thyrohyoid muscle 甲状舌骨肌
Omohyoid muscle (superior belly) 肩胛舌骨肌(上腹)
Sternohyoid muscle 胸骨舌骨肌
Sternothyroid muscle 胸骨甲状肌
Scalene muscles 斜角肌
Trapezius muscle 斜方肌
Deltoid muscle 三角肌
Clavicle 锁骨
Omohyoid muscle (inferior belly) 肩胛舌骨肌(下腹)
Pectoralis major muscle 胸大肌
锁骨头 Clavicular head
Sternal head 胸骨头
Sternocleidomastoid muscle 胸锁乳突肌
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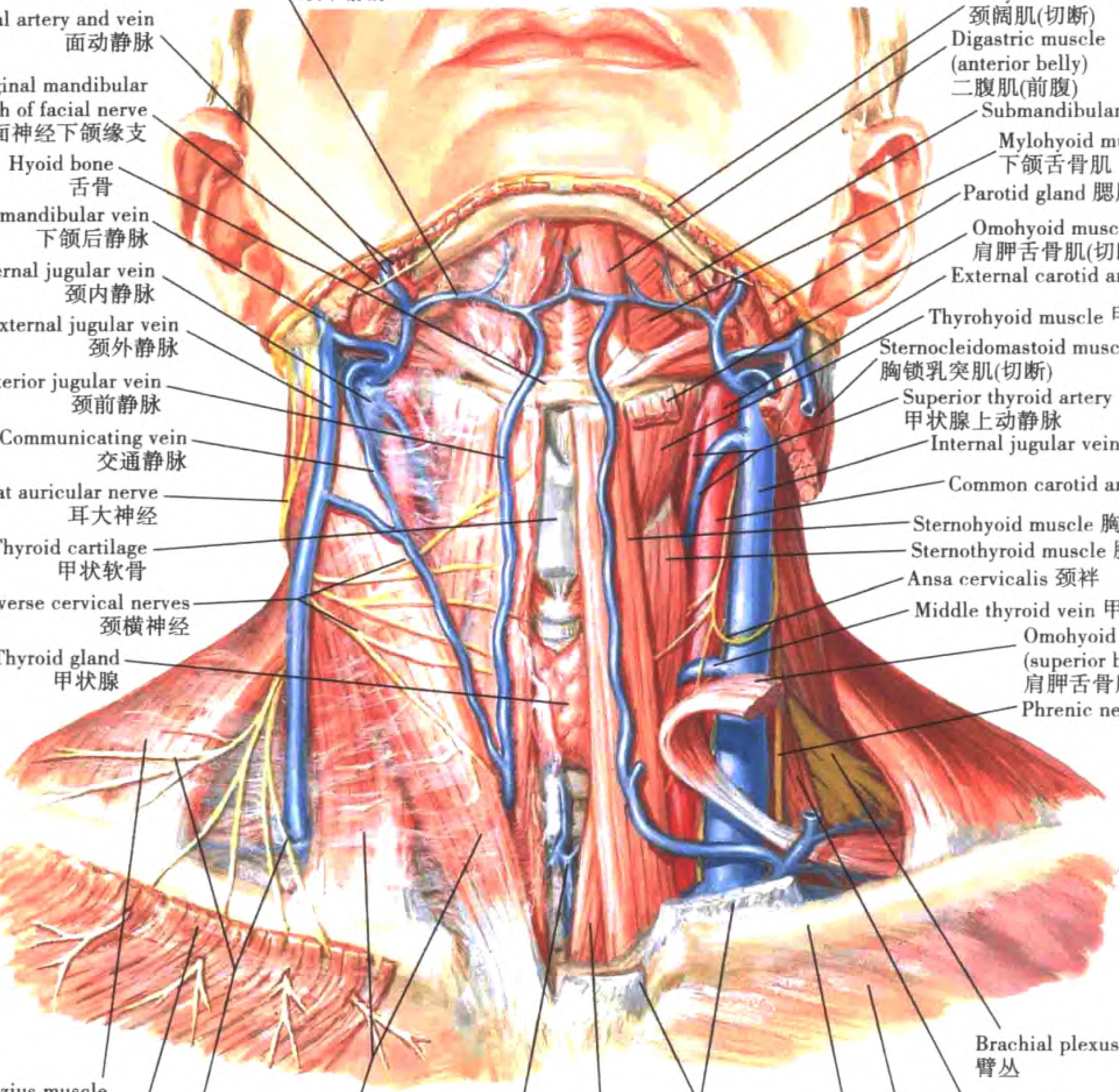


Hyoid bone 舌骨
Thyrohyoid membrane 甲状舌骨膜
External carotid artery 颈外动脉
Internal jugular vein 颈内静脉
Thyrohyoid muscle 甲状舌骨肌
Thyroid cartilage 甲状软骨
Omohyoid muscle (superior belly) 肩胛舌骨肌(上腹)
Sternohyoid muscle 胸骨舌骨肌
Median cricothyroid ligament 环甲正中韧带
Cricoid cartilage 环状软骨
Scalene muscle 斜角肌
Trapezius muscle 斜方肌
Omohyoid muscle (inferior belly) 肩胛舌骨肌(下腹)
Trachea 气管
Digastric muscle (anterior belly) 二腹肌(前腹)
Mylohyoid muscle 下颌舌骨肌
Hyoglossus muscle 舌骨舌肌
Stylohyoid muscle 茎突舌骨肌
Digastric muscle (posterior belly) 二腹肌(后腹)
Fibrous loop for intermediate digastric tendon 二腹肌中间腱纤维袢
Sternohyoid and omohyoid muscles (cut) 胸骨舌骨肌和肩胛舌骨肌(切断)
Thyrohyoid muscle 甲状舌骨肌
Oblique line of thyroid cartilage 甲状软骨斜线
Cricothyroid muscle 环甲肌
Sternothyroid muscle 胸骨甲状肌
Omohyoid muscle (superior belly) (cut) 肩胛舌骨肌(上腹) (切断)
Thyroid gland 甲状腺
Sternohyoid muscle (cut) 胸骨舌骨肌(切断)
Clavicle 锁骨

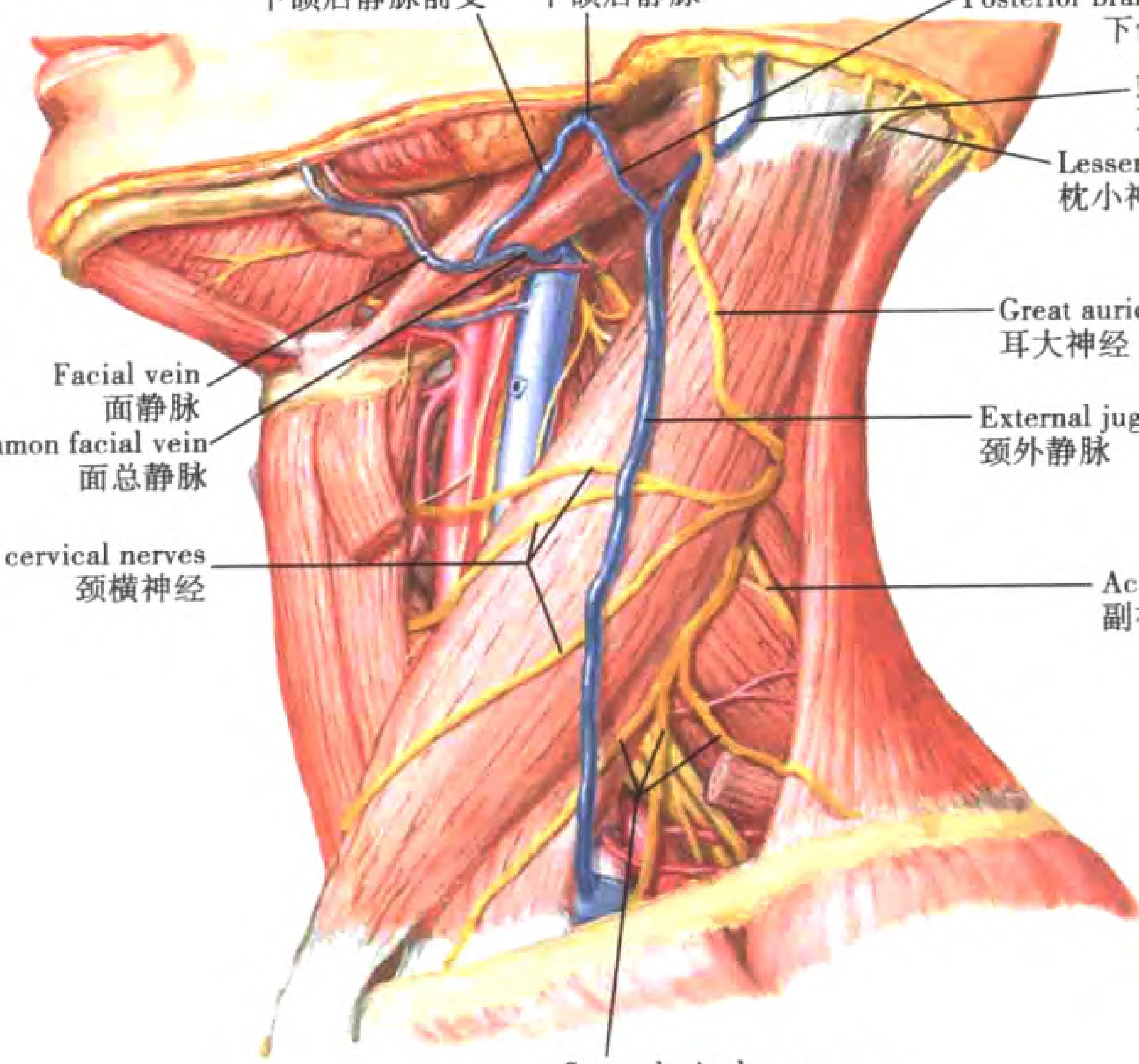

Parotid gland(cut)
腮腺(切断)
Ramus of mandible
下颌支
Masseter muscle咬肌
Submandibular gland 下颌下腺
Hyoglossus muscle 舌骨舌肌
Mylohyoid muscle 下颌舌骨肌
Mastoid process
乳突
Styloid process
茎突
Stylohyoid muscle
茎突舌骨肌
Digastric muscle
(posterior belly)
二腹肌(后腹)
Middle pharyngeal
constrictor muscle
咽中缩肌
Longus capitis muscle
头长肌
Splenius capitis muscle
头夹肌
Sternocleidomastoid muscle
胸锁乳突肌
Levator scapulae muscle
肩胛提肌
后斜角肌
中斜角肌
前斜角肌
Scalene muscles
斜角肌
Posterior
后斜角肌
Middle
中斜角肌
Anterior
前斜角肌
Brachial plexus
臂丛
Trapezius muscle
斜方肌
Acromion
肩峰
Deltoid muscle
三角肌
Body of
mandible
下颌体
Digastric muscle
(anterior belly)
二腹肌(前腹)
Hyoid bone
舌骨
Thyrohyoid muscle
甲状舌骨肌
Omohyoid muscle
(superior belly)
肩胛舌骨肌(上腹)
Sternohyoid muscle
胸骨舌骨肌
Inferior pharyngeal
constrictor muscle
咽下缩肌
Sternothyroid
muscle
胸骨甲状肌
Omohyoid muscle (inferior belly)
肩胛舌骨肌(下腹)
Clavicle
锁骨
Pectoralis major muscle
胸大肌
Manubrium of sternum
胸骨柄
胸骨头
Sternal head
Clavicular head
锁骨头
Sternocleidomastoid muscle
胸锁乳突肌
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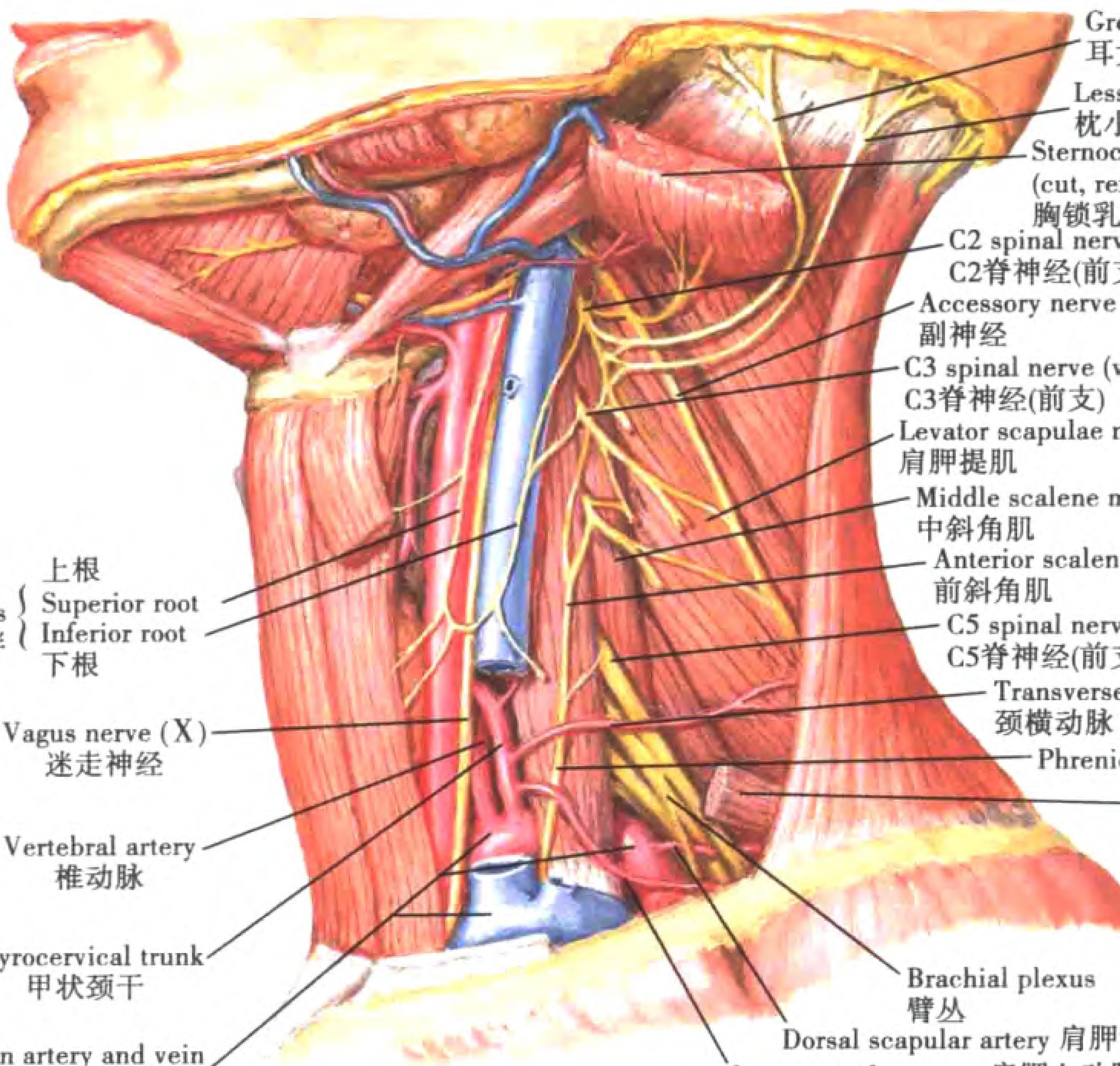


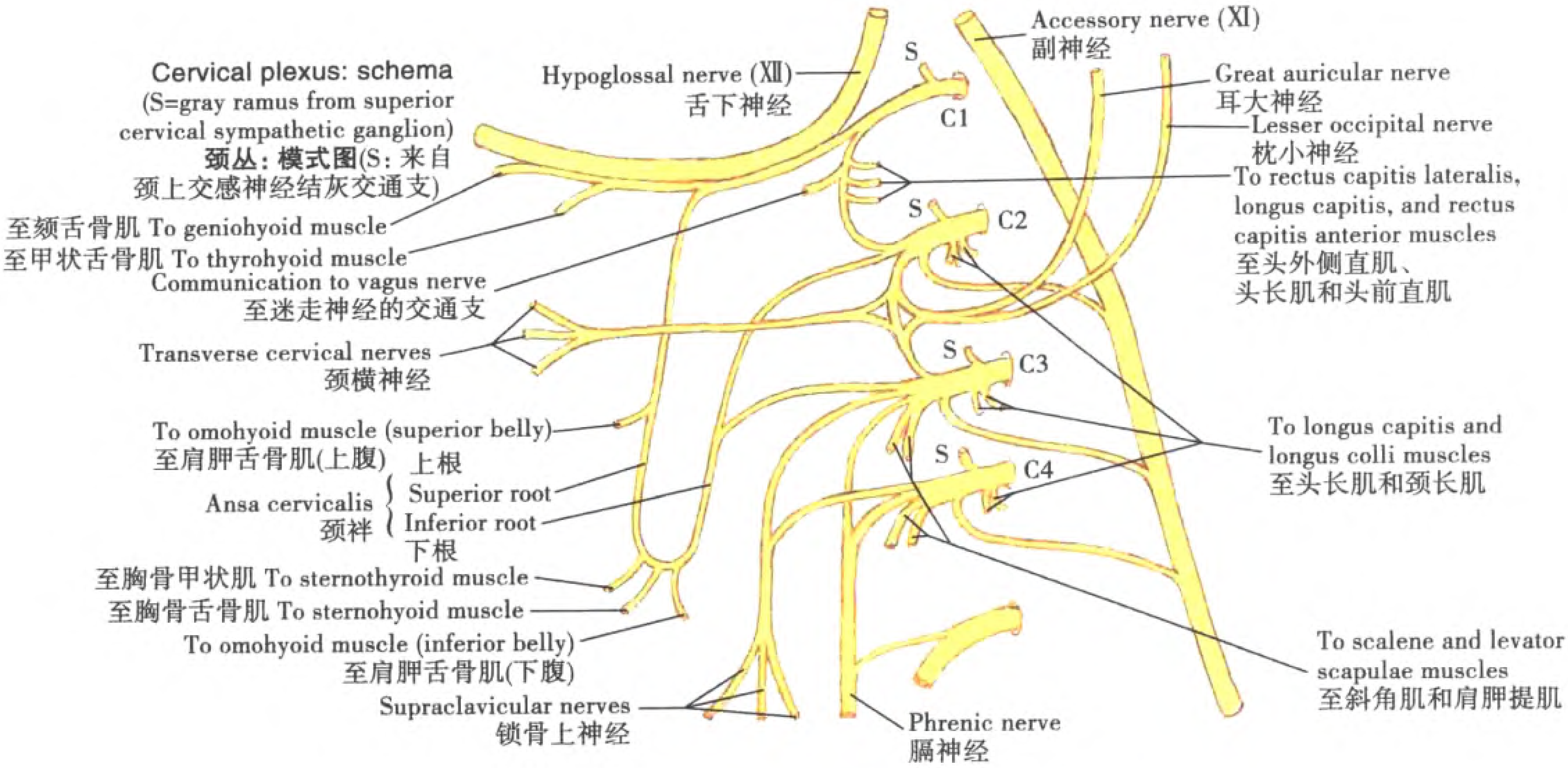
Basilar part of occipital bone
枕骨基底部
Longus capitis muscle (cut)
头长肌(切断)
Occipital condyle
枕髁
Rectus capitis anterior muscle
头前直肌
Rectus capitis lateralis muscle
头外侧直肌
Jugular process of occipital bone
枕骨颈静脉突
Mastoid process
乳突
Styloid process
茎突
Transverse process of atlas (C1)
寰椎横突(C1)
Longus capitis muscle
头长肌
前结节
Anterior
Posterior
后结节
Tubercles of transverse process of C3 vertebra
第3颈椎横突结节
Posterior tubercle of transverse process of axis (C2)
枢椎(C2)横突后结节
Longus colli muscle
颈长肌
Slips of origin of anterior scalene muscle (cut)
前斜角肌起始部肌束(切断)
Slips of origin of posterior scalene muscle
后斜角肌起始部肌束
Scalene muscles
斜角肌
Anterior
前斜角肌
Middle
中斜角肌
Posterior
后斜角肌
中斜角肌
Middle
Posterior
后斜角肌
Scalene muscles
斜角肌
Anterior scalene muscle (cut)
前斜角肌(切断)
Phrenic nerve
膈神经
Brachial plexus (trunks)
臂丛(干)
Subclavian artery
锁骨下动脉
Subclavian vein
锁骨下静脉
Internal jugular vein
颈内静脉
Right common carotid artery
右颈总动脉
1st rib
第1肋
Posterior tubercle of transverse process of C7 vertebra
第7颈椎横突后结节
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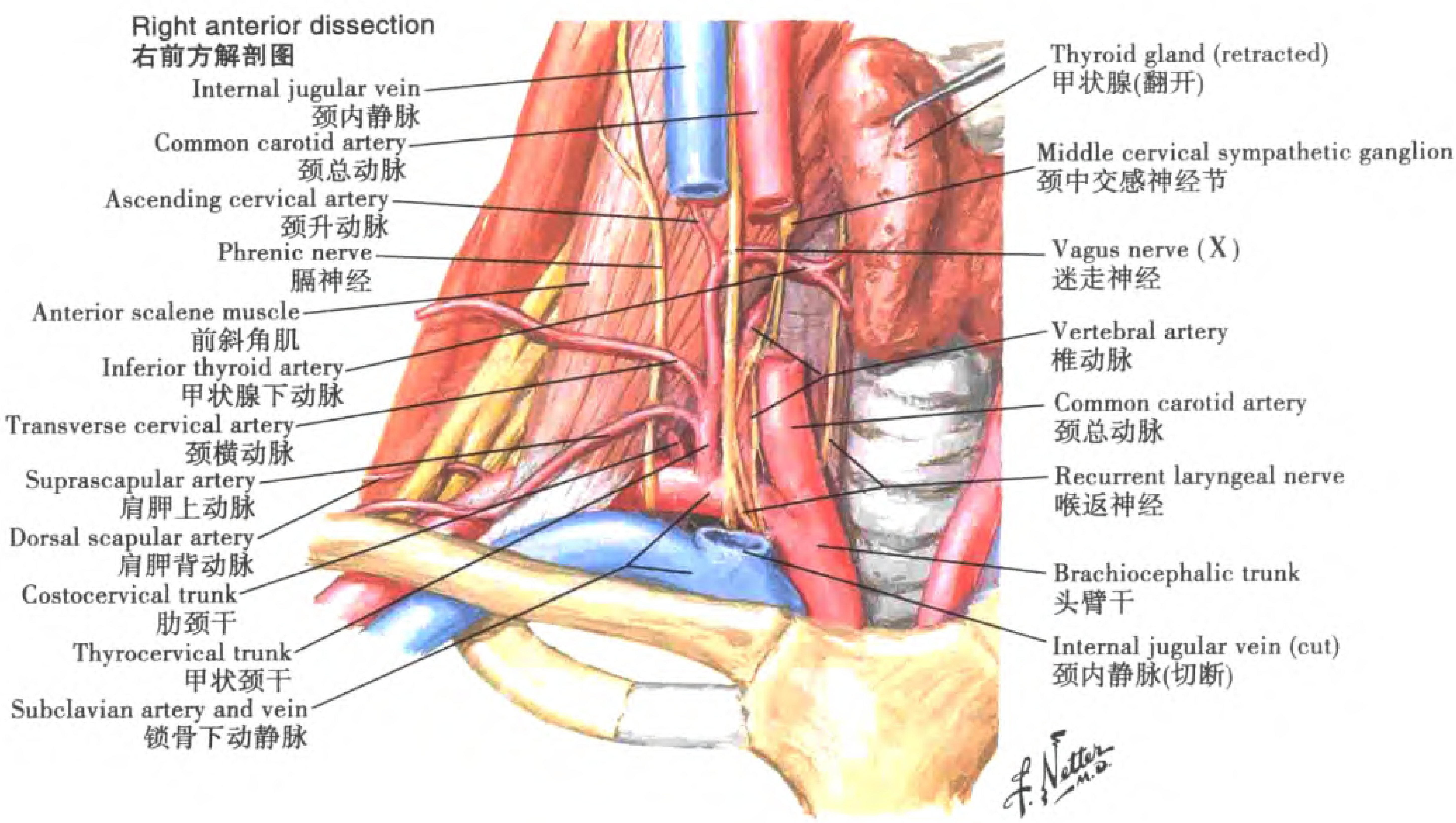

Submental vein
颏下静脉
Facial artery and vein
面动静脉
Marginal mandibular branch of facial nerve
面神经下颌缘支
Hyoid bone
舌骨
Retromandibular vein
下颌后静脉
Internal jugular vein
颈内静脉
External jugular vein
颈外静脉
Anterior jugular vein
颈前静脉
Communicating vein
交通静脉
Great auricular nerve
耳大神经
Thyroid cartilage
甲状软骨
Transverse cervical nerves
颈横神经
Thyroid gland
甲状腺
Trapezius muscle
斜方肌
Platysma muscle (cut)
颈阔肌(切断)
Supraclavicular nerves
锁骨上神经
Sternocleidomastoid muscle
胸锁乳突肌
Inferior thyroid vein
甲状腺下静脉
Sternothyroid muscle
胸骨舌骨肌
Sternocleidomastoid muscle (cut)
胸锁乳突肌(切断)
Clavicle
锁骨
Pectoralis major muscle
胸大肌
Anterior scalene muscle
前斜角肌
Brachial plexus
臂丛
Platysma muscle (cut)
颈阔肌(切断)
Digastric muscle (anterior belly)
二腹肌(前腹)
Submandibular gland 下颌下腺
Mylohyoid muscle
下颌舌骨肌
Parotid gland 腮腺
Omohyoid muscle (cut)
肩胛舌骨肌(切断)
External carotid artery 颈外动脉
Thyrohyoid muscle 甲状舌骨肌
Sternocleidomastoid muscle (cut)
胸锁乳突肌(切断)
Superior thyroid artery and vein
甲状腺上动静脉
Internal jugular vein 颈内静脉
Common carotid artery 颈总动脉
Sternohyoid muscle 胸骨舌骨肌
Sternothyroid muscle 胸骨甲状肌
Ansa cervicalis 颈袢
Middle thyroid vein 甲状腺中静脉
Omohyoid muscle (superior belly) (cut)
肩胛舌骨肌(上腹)(切断)
Phrenic nerve 膈神经

参见图 128-130

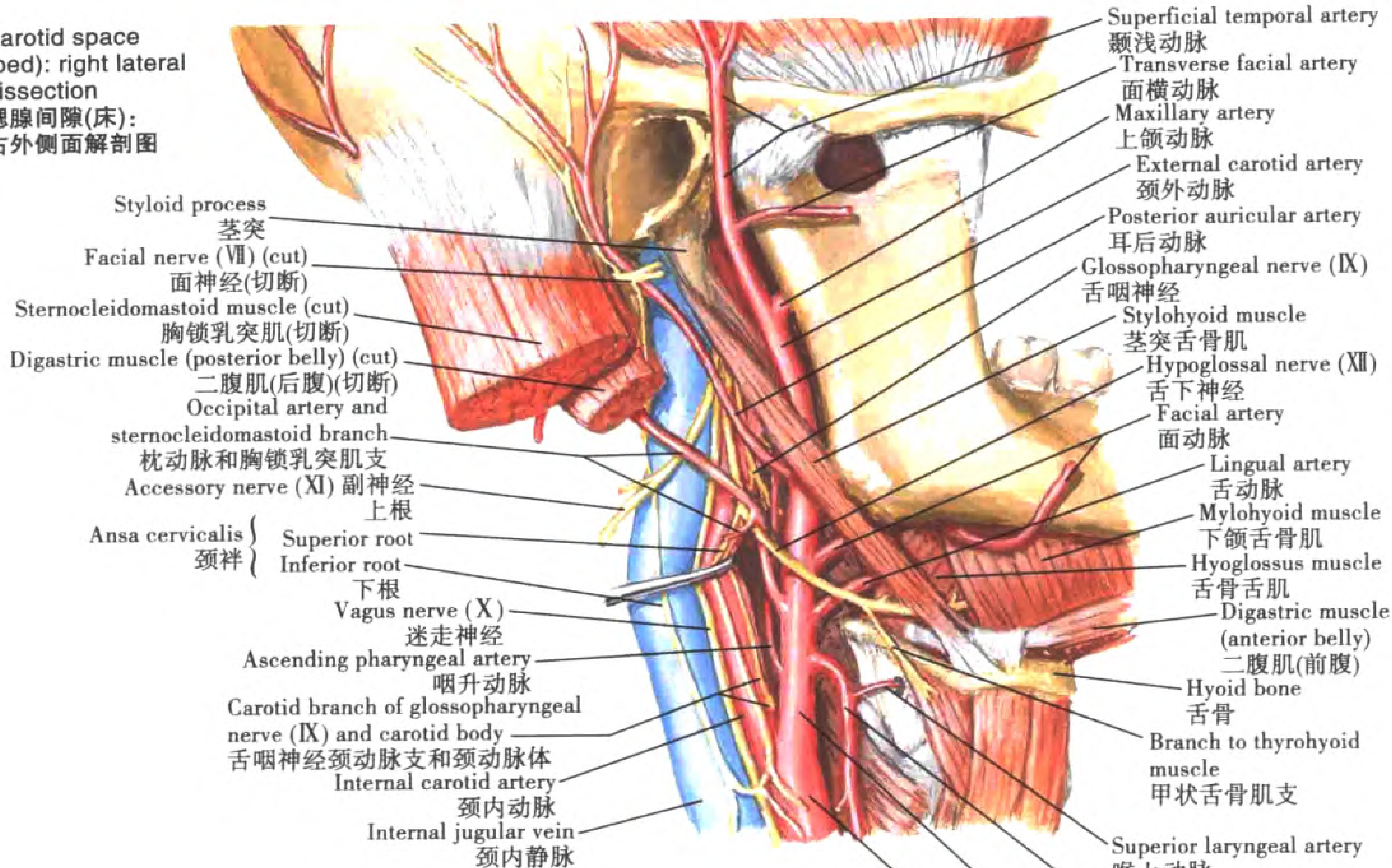

Anterior branch retromandibular vein
下颌后静脉前支
Retromandibular vein
下颌后静脉
Posterior branch retromandibular vein
下颌后静脉后支
Posterior auricular vein
耳后静脉
Lesser occipital nerve
枕小神经
Great auricular nerve
耳大神经
External jugular vein
颈外静脉
Facial vein
面静脉
Common facial vein
面总静脉
Tranverse cervical nerves
颈横神经
Accessory nerve (Ⅺ)
副神经
Supraclavicular nerves
锁骨上神经

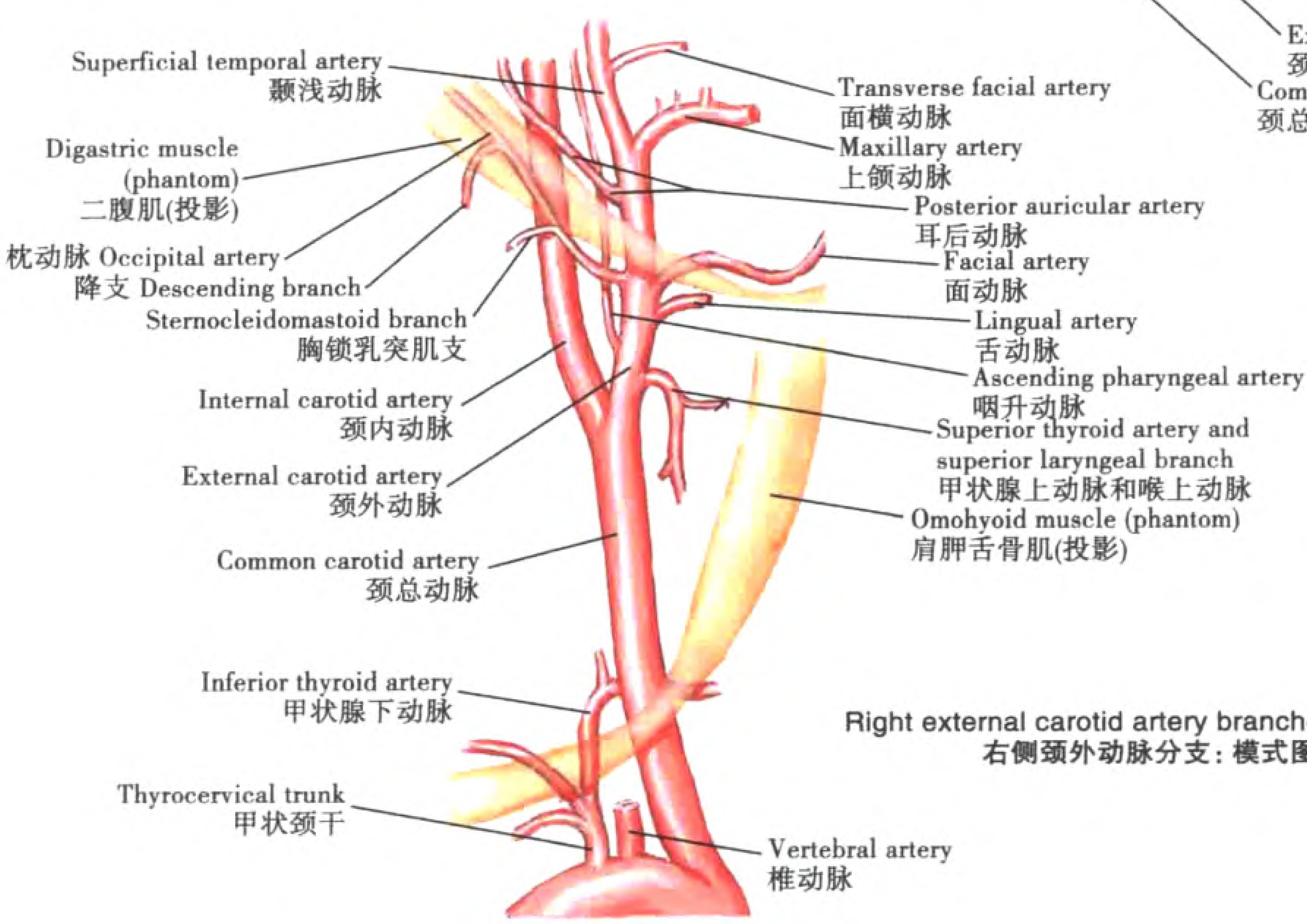

Great auricular nerve
耳大神经
Lesser occipital nerve
枕小神经
Sternocleidomastoid muscle
(cut, reflected superiorly)
胸锁乳突肌(切断、翻开)
C2 spinal nerve(ventral ramus)
C2脊神经(前支)
Accessory nerve (Ⅺ)
副神经
C3 spinal nerve (ventral ramus)
C3脊神经(前支)
Levator scapulae muscle
肩胛提肌
Middle scalene muscle
中斜角肌
Anterior scalene muscle
前斜角肌
C5 spinal nerve (ventral ramus)
C5脊神经(前支)
Transverse cervical artery
颈横动脉
Phrenic nerve 膈神经
Omohyoid muscle
(inferior belly) (cut)
肩胛舌骨肌(下腹)(切开)
Ansa cervicalis
颈袢
上根
Superior root
Inferior root
下根
Vagus nerve (X)
迷走神经
Vertebral artery
椎动脉
Thyrocervical trunk
甲状颈干
Subclavian artery and vein
锁骨下动静脉
Brachial plexus
臂丛
Dorsal scapular artery 肩胛背动脉
Suprascapular artery 肩胛上动脉


Cervical plexus: schema
(S=gray ramus from superior cervical sympathetic ganglion)
颈丛：模式图(S：来自颈上交感神经结灰交通支)
Hypoglossal nerve (XII)
舌下神经
Accessory nerve (XI)
副神经
S
C1
Great auricular nerve
耳大神经
Lesser occipital nerve
枕小神经
To rectus capitis lateralis, longus capitis, and rectus capitis anterior muscles
至头外侧直肌、头长肌和头前直肌
至颏舌骨肌 To geniohyoid muscle
至甲状舌骨肌 To thyrohyoid muscle
Communication to vagus nerve
至迷走神经的交通支
S
C2
Transverse cervical nerves
颈横神经
S
C3
To omohyoid muscle (superior belly)
至肩胛舌骨肌(上腹)
To longus capitis and longus colli muscles
至头长肌和颈长肌
S
C4
Ansa cervicalis
颈袢
上根
Superior root
Inferior root
下根
至胸骨甲状肌 To sternothyroid muscle
至胸骨舌骨肌 To sternohyoid muscle
To omohyoid muscle (inferior belly)
至肩胛舌骨肌(下腹)
To scalene and levator scapulae muscles
至斜角肌和肩胛提肌
Supraclavicular nerves
锁骨上神经
Phrenic nerve
膈神经

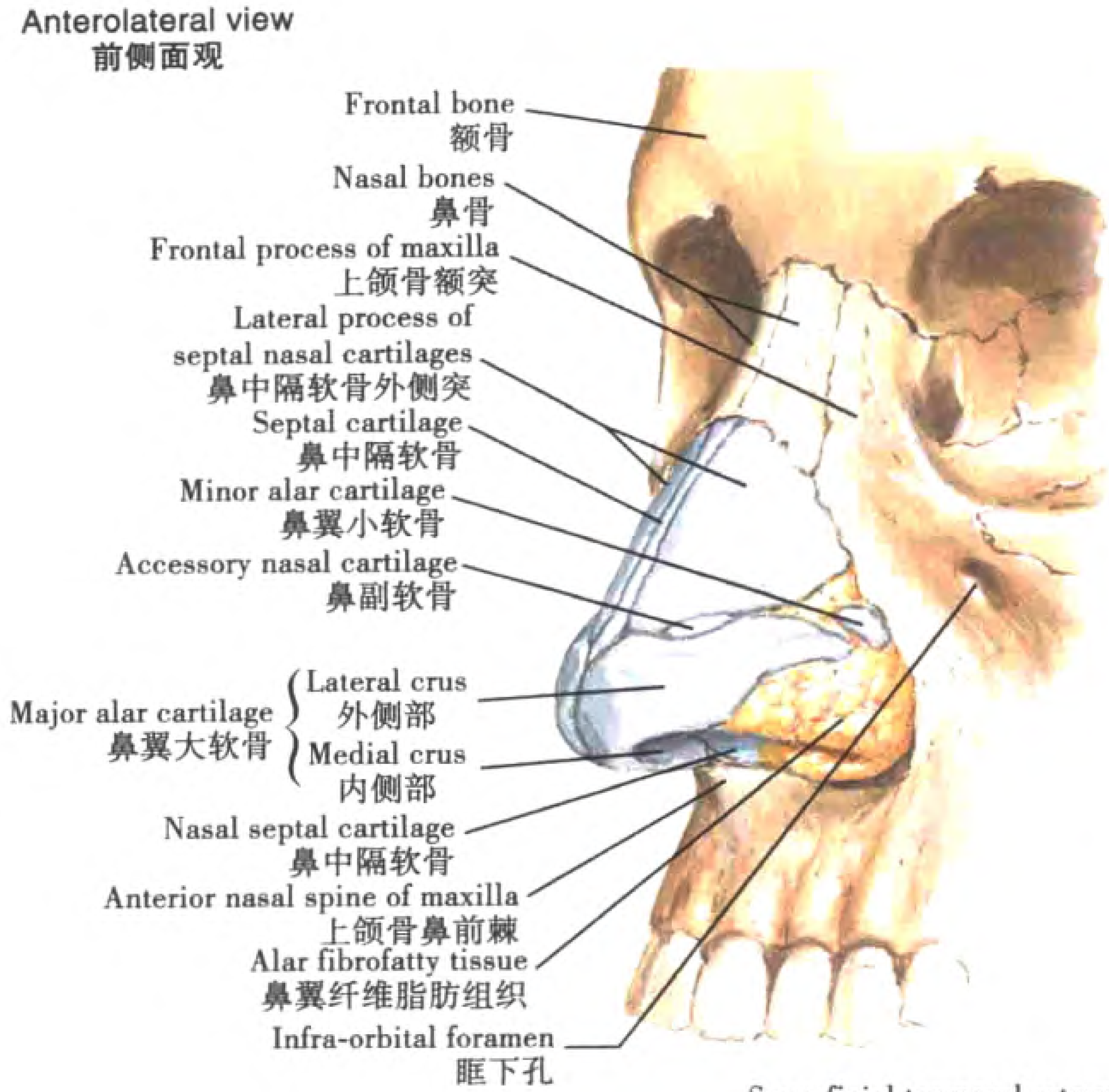

Right anterior dissection
右前方解剖图
Internal jugular vein
颈内静脉
Common carotid artery
颈总动脉
Ascending cervical artery
颈升动脉
Phrenic nerve
膈神经
Anterior scalene muscle
前斜角肌
Inferior thyroid artery
甲状腺下动脉
Transverse cervical artery
颈横动脉
Suprascapular artery
肩胛上动脉
Dorsal scapular artery
肩胛背动脉
Costocervical trunk
肋颈干
Thyrocervical trunk
甲状颈干
Subclavian artery and vein
锁骨下动静脉
Thyroid gland (retracted)
甲状腺(翻开)
Middle cervical sympathetic ganglion
颈中交感神经节
Vagus nerve (X)
迷走神经
Vertebral artery
椎动脉
Common carotid artery
颈总动脉
Recurrent laryngeal nerve
喉返神经
Brachiocephalic trunk
头臂干
Internal jugular vein (cut)
颈内静脉(切断)
F. Netter M.D.

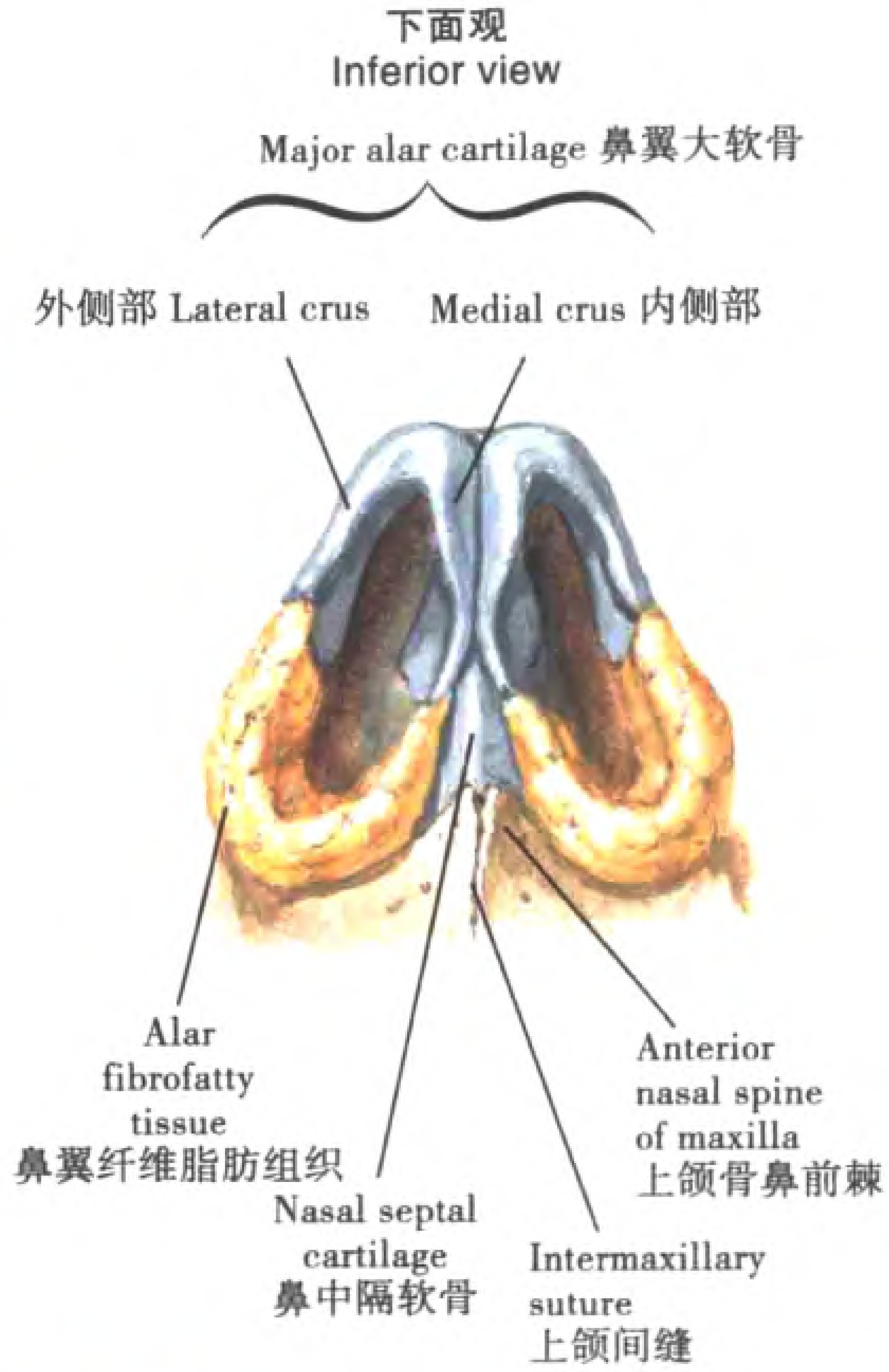
Parotid space (bed): right lateral dissection
腮腺间隙(床):右外侧面解剖图

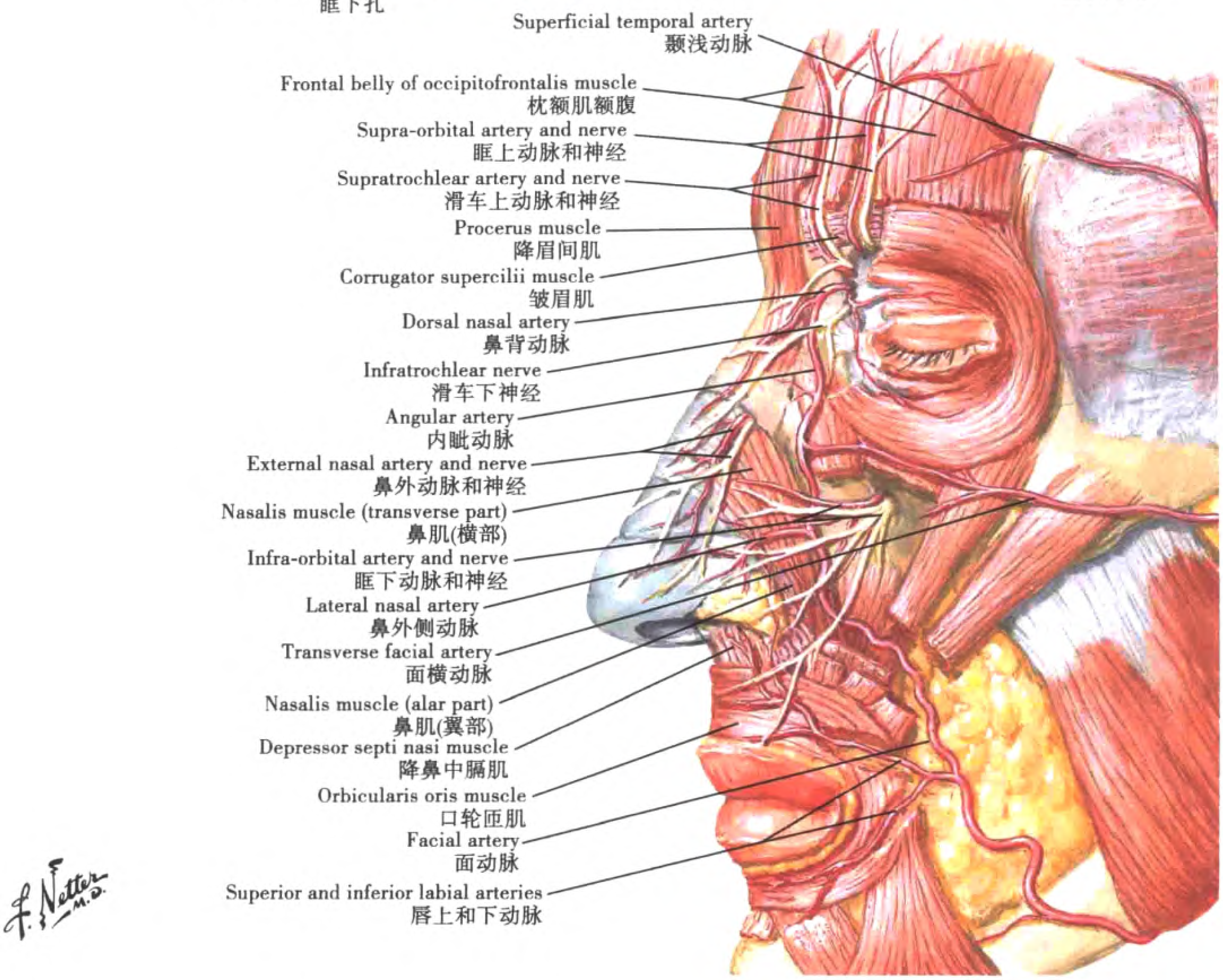


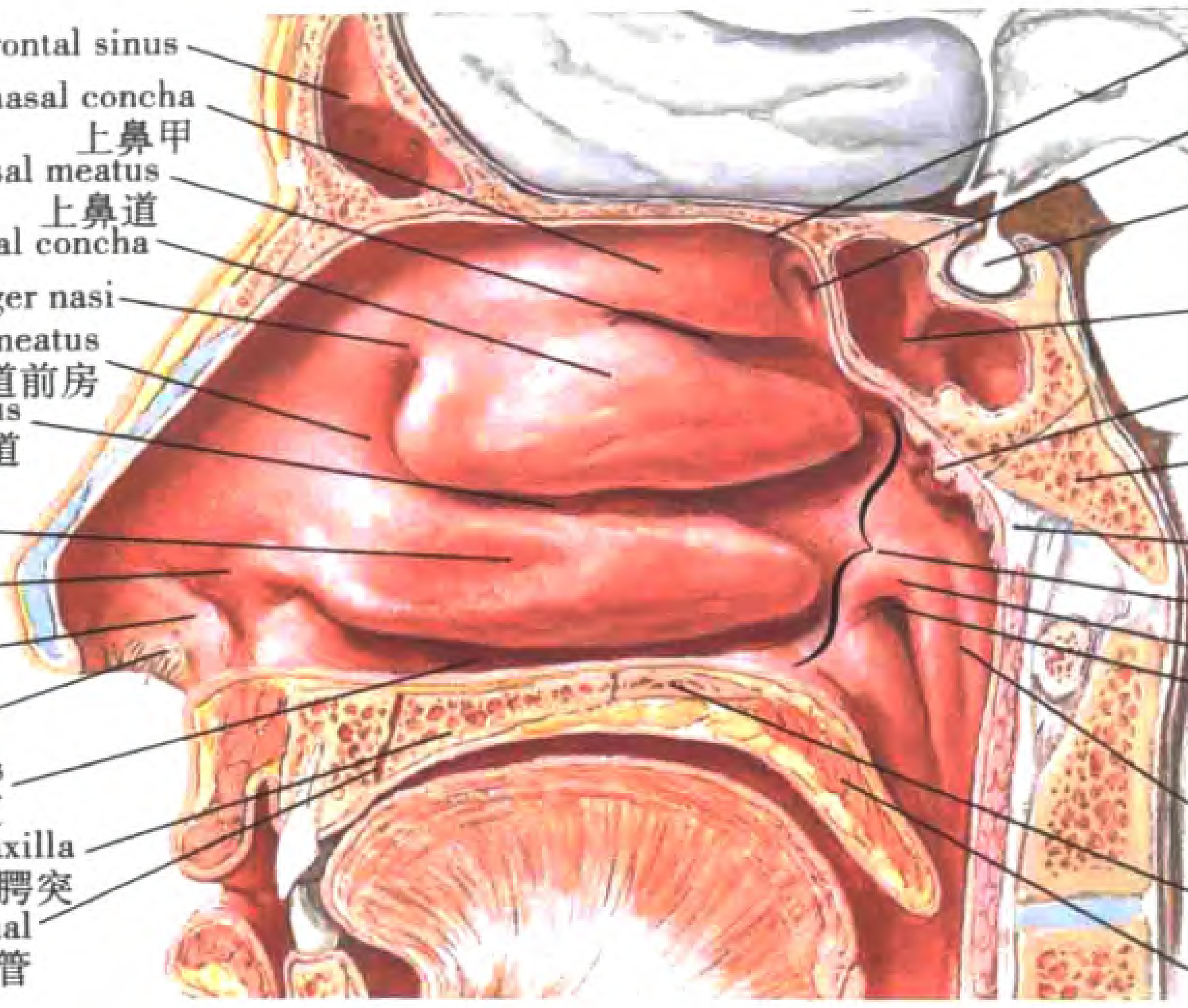


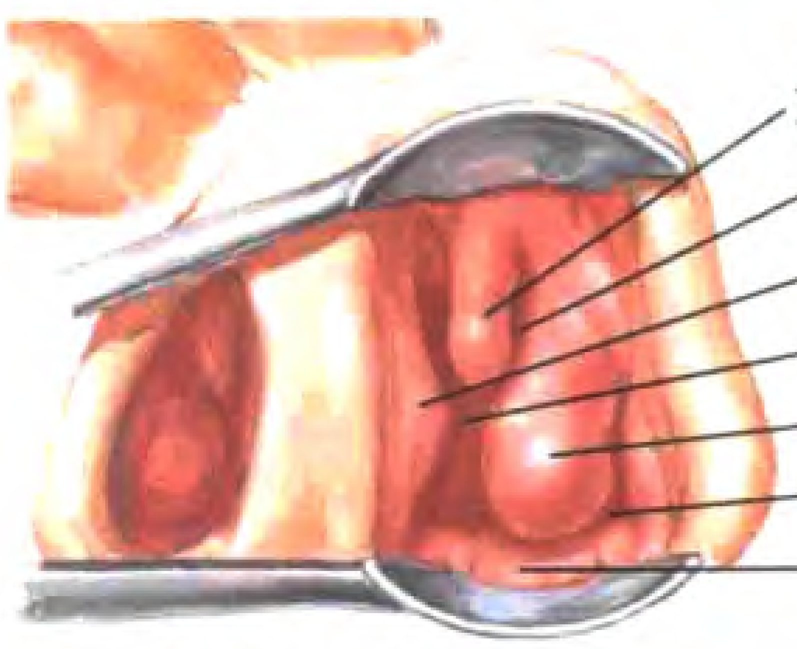
Right external carotid artery branches: schema
右侧颈外动脉分支:模式图


Anterolateral view
前侧面观
Frontal bone
额骨
Nasal bones
鼻骨
Frontal process of maxilla
上颌骨额突
Lateral process of septal nasal cartilages
鼻中隔软骨外侧突
Septal cartilage
鼻中隔软骨
Minor alar cartilage
鼻翼小软骨
Accessory nasal cartilage
鼻副软骨
Major alar cartilage
鼻翼大软骨
Lateral crus
外侧部
Medial crus
内侧部
Nasal septal cartilage
鼻中隔软骨
Anterior nasal spine of maxilla
上颌骨鼻前棘
Alar fibrofatty tissue
鼻翼纤维脂肪组织
Infra-orbital foramen
眶下孔

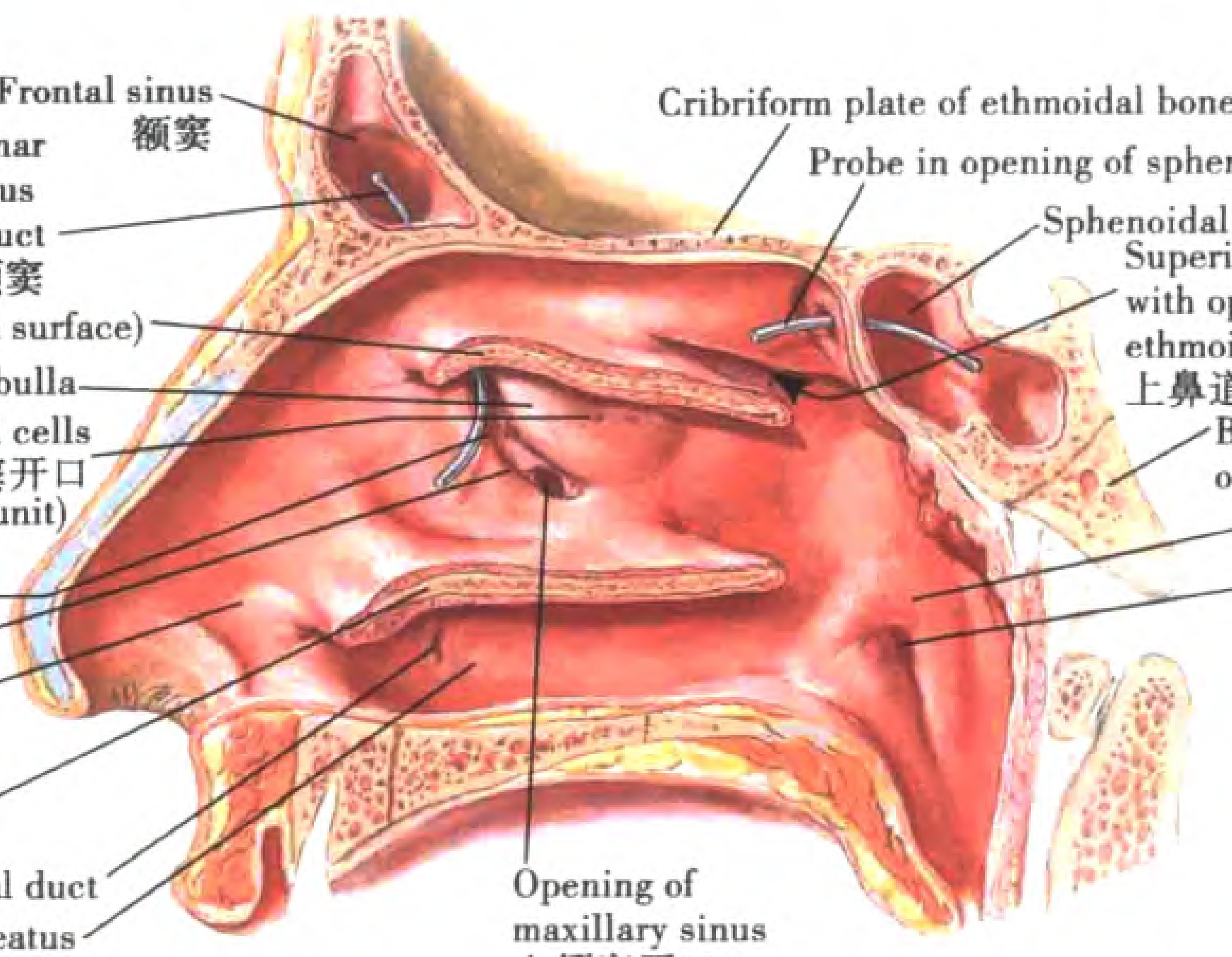

下面观
Inferior view
Major alar cartilage 鼻翼大软骨
外侧部 Lateral crus
Medial crus 内侧部
Alar fibrofatty tissue
鼻翼纤维脂肪组织
Nasal septal cartilage
鼻中隔软骨
Anterior nasal spine of maxilla
上颌骨鼻前棘
Intermaxillary suture
上颌间缝

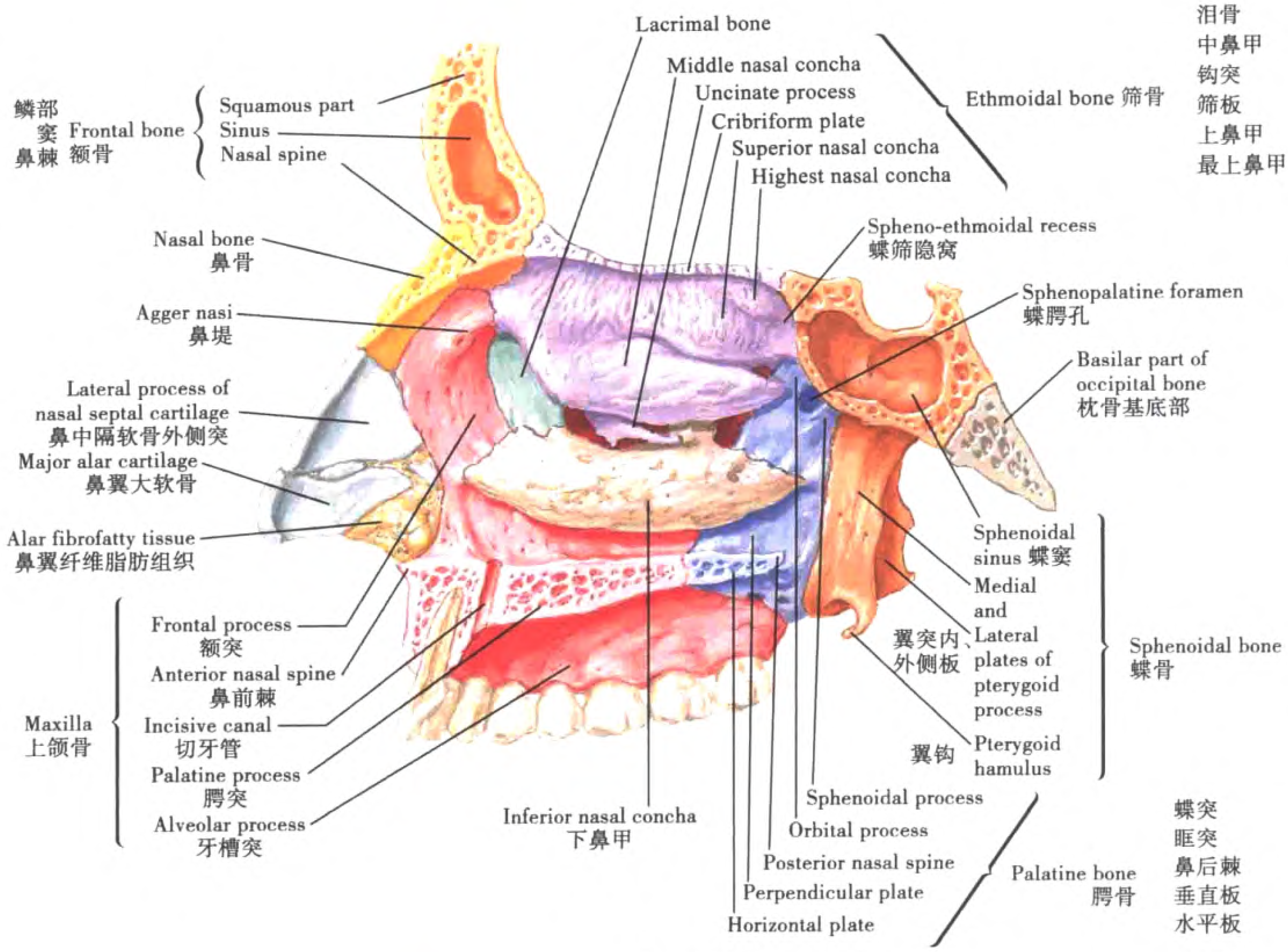

Superficial temporal artery
颞浅动脉
Frontal belly of occipitofrontalis muscle
枕额肌额腹
Supra-orbital artery and nerve
眶上动脉和神经
Supratrochlear artery and nerve
滑车上动脉和神经
Procerus muscle
降眉间肌
Corrugator supercilii muscle
皱眉肌
Dorsal nasal artery
鼻背动脉
Infratrochlear nerve
滑车下神经
Angular artery
内眦动脉
External nasal artery and nerve
鼻外动脉和神经
Nasalis muscle (transverse part)
鼻肌(横部)
Infra-orbital artery and nerve
眶下动脉和神经
Lateral nasal artery
鼻外侧动脉
Transverse facial artery
面横动脉
Nasalis muscle (alar part)
鼻肌(翼部)
Depressor septi nasi muscle
降鼻中膈肌
Orbicularis oris muscle
口轮匝肌
Facial artery
面动脉
Superior and inferior labial arteries
唇上和下动脉
F. Netter M.D.

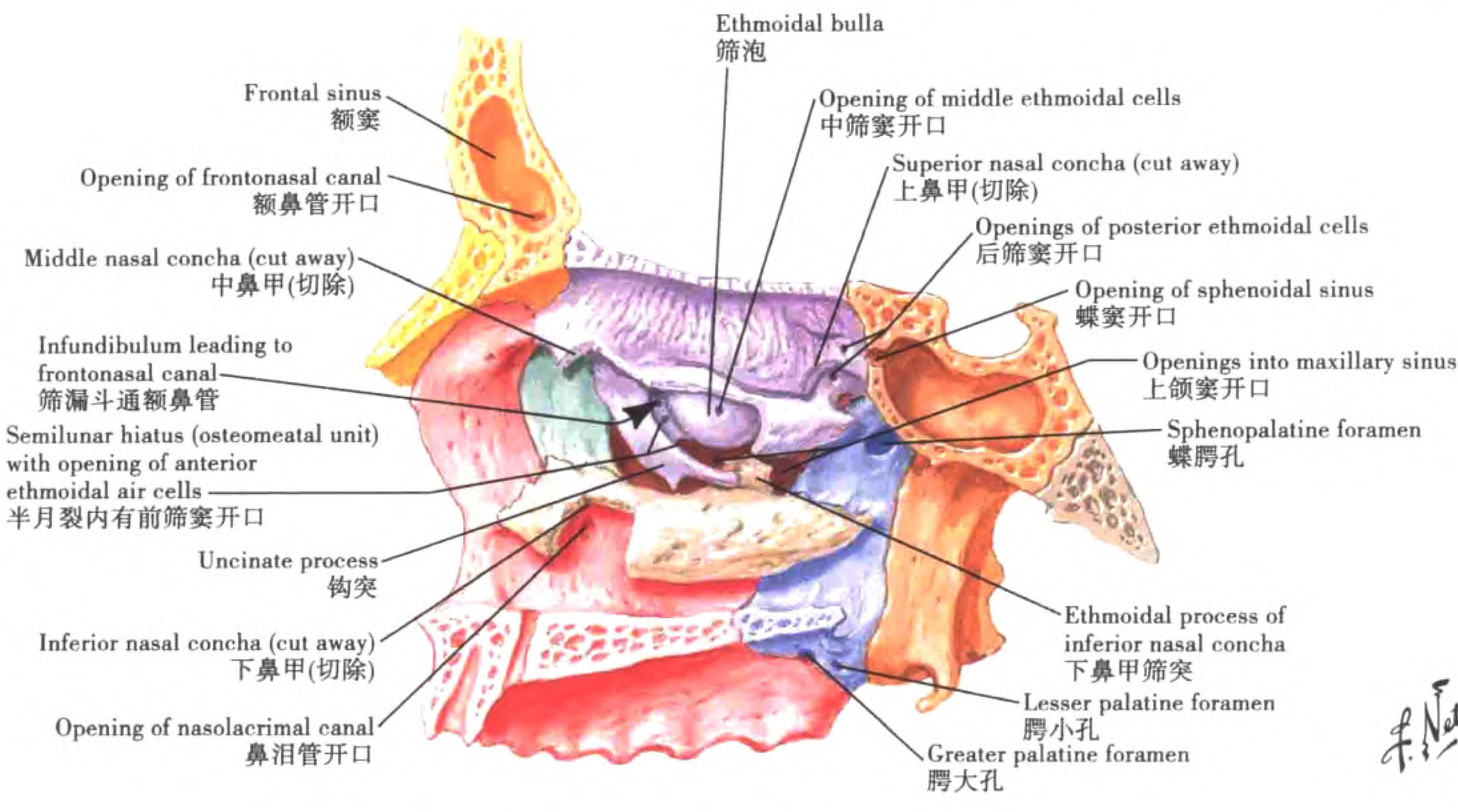


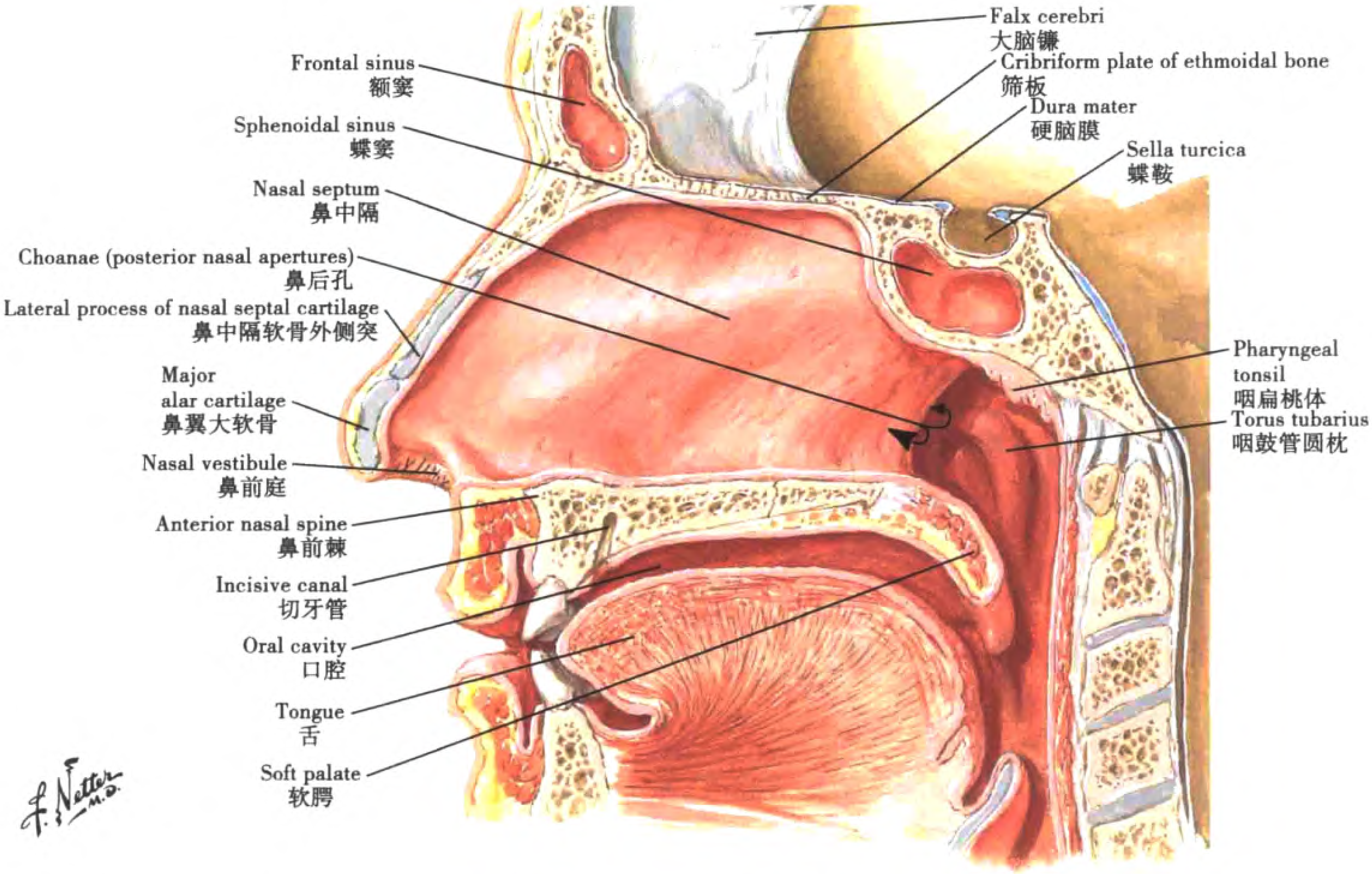


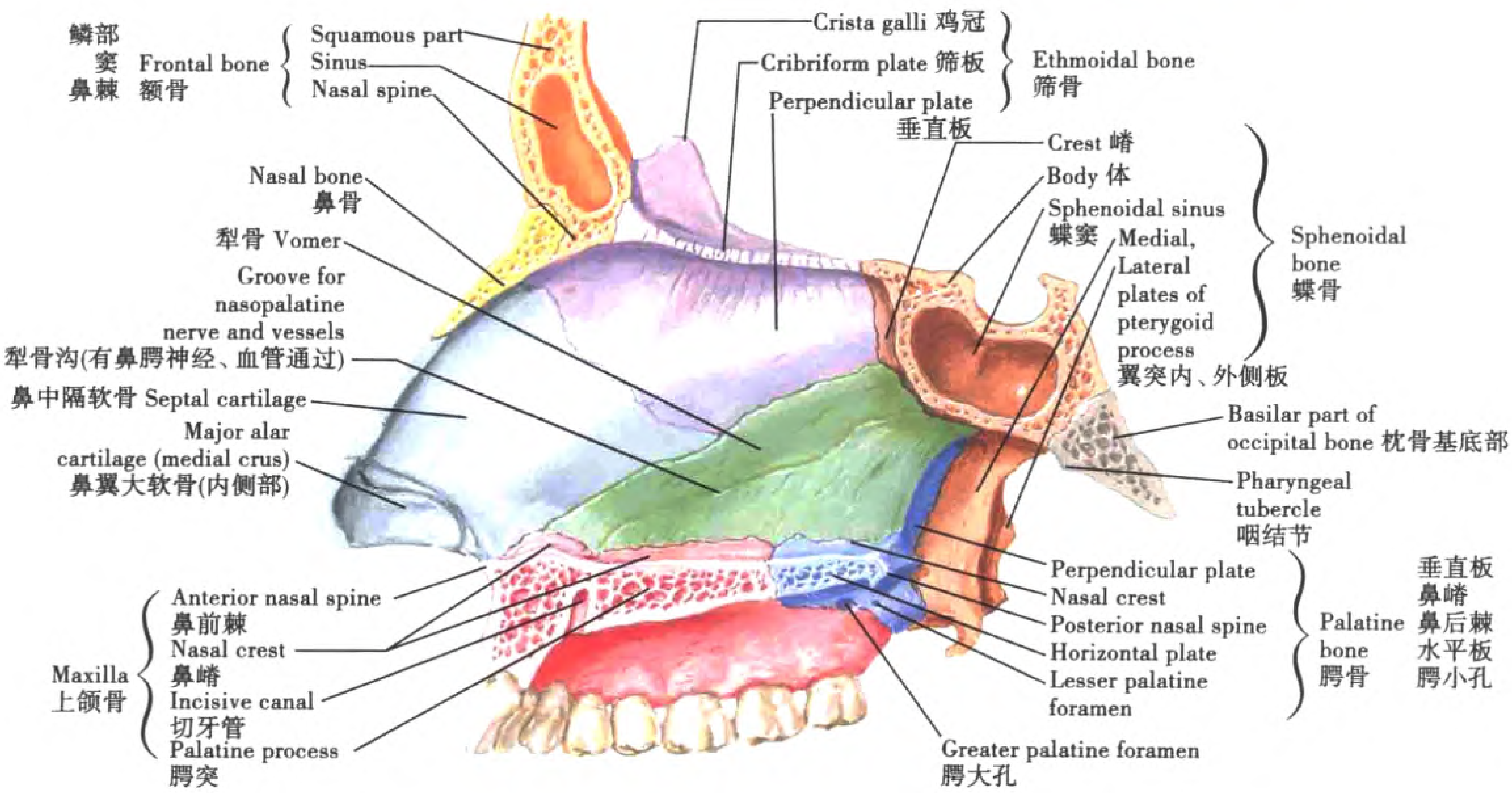
Speculum view
鼻镜所见

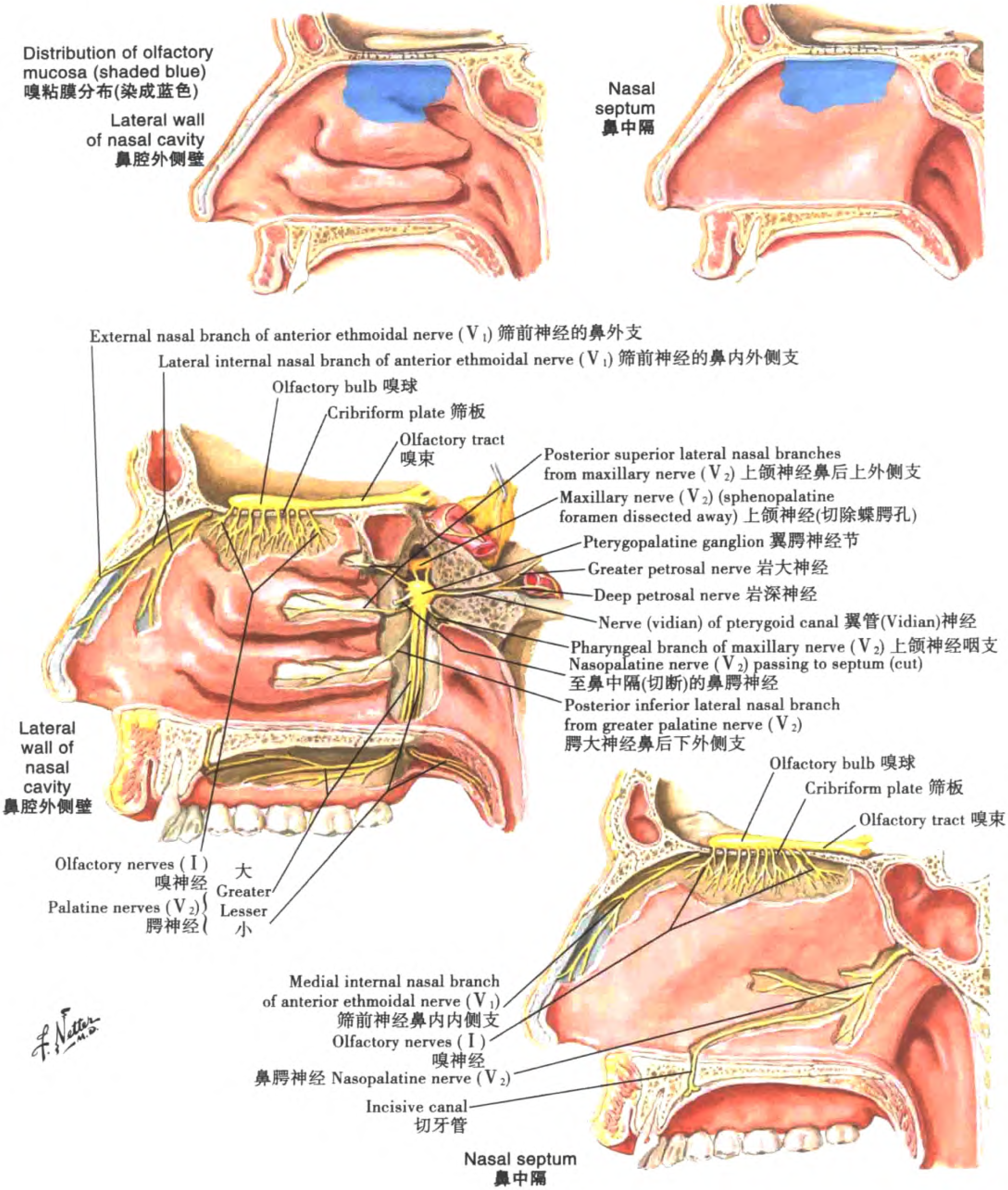



Lacrimal bone
Middle nasal concha
Uncinate process
Cribriform plate
Superior nasal concha
Highest nasal concha
Ethmoidal bone 筛骨
泪骨
中鼻甲
钩突
筛板
上鼻甲
最上鼻甲
鳞部
窦
鼻棘
Frontal bone
额骨
Squamous part
Sinus
Nasal spine
Nasal bone
鼻骨
Agger nasi
鼻堤
Lateral process of
nasal septal cartilage
鼻中隔软骨外侧突
Major alar cartilage
鼻翼大软骨
Alar fibrofatty tissue
鼻翼纤维脂肪组织
Spheno-ethmoidal recess
蝶筛隐窝
Sphenopalatine foramen
蝶腭孔
Basilar part of
occipital bone
枕骨基底部
Sphenoidal
sinus 蝶窦
Medial
and
Lateral
plates of
pterygoid
process
翼突内、外侧板
Pterygoid
hamulus
翼钩
Sphenoidal bone
蝶骨
Maxilla
上颌骨
Frontal process
额突
Anterior nasal spine
鼻前棘
Incisive canal
切牙管
Palatine process
腭突
Alveolar process
牙槽突
Inferior nasal concha
下鼻甲
Sphenoidal process
Orbital process
Posterior nasal spine
Perpendicular plate
Horizontal plate
Palatine bone
腭骨
蝶突
眶突
鼻后棘
垂直板
水平板

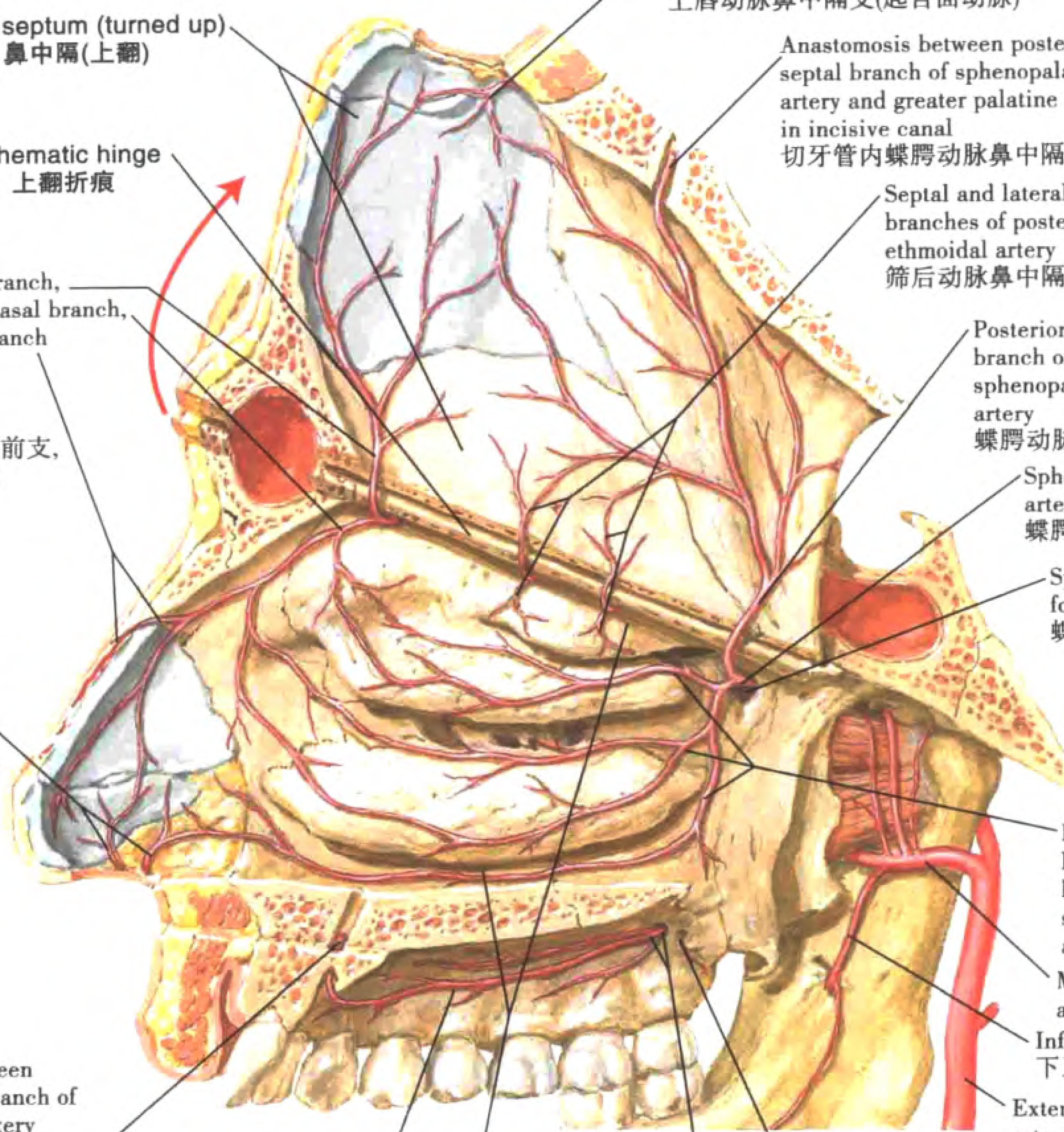

Ethmoidal bulla
筛泡
Frontal sinus
额窦
Opening of middle ethmoidal cells
中筛窦开口
Opening of frontonasal canal
额鼻管开口
Superior nasal concha (cut away)
上鼻甲(切除)
Middle nasal concha (cut away)
中鼻甲(切除)
Openings of posterior ethmoidal cells
后筛窦开口
Opening of sphenoidal sinus
蝶窦开口
Infundibulum leading to
frontonasal canal
筛漏斗通额鼻管
Openings into maxillary sinus
上颌窦开口
Semilunar hiatus (osteomeatal unit)
with opening of anterior
ethmoidal air cells
半月裂内有前筛窦开口
Sphenopalatine foramen
蝶腭孔
Uncinate process
钩突
Inferior nasal concha (cut away)
下鼻甲(切除)
Ethmoidal process of
inferior nasal concha
下鼻甲筛突
Lesser palatine foramen
腭小孔
Opening of nasolacrimal canal
鼻泪管开口
Greater palatine foramen
腭大孔
F. Netter M.D.


Falx cerebri
大脑镰
Cribriform plate of ethmoidal bone
筛板
Dura mater
硬脑膜
Sella turcica
蝶鞍
Frontal sinus
额窦
Sphenoidal sinus
蝶窦
Nasal septum
鼻中隔
Choanae (posterior nasal apertures)
鼻后孔
Lateral process of nasal septal cartilage
鼻中隔软骨外侧突
Major alar cartilage
鼻翼大软骨
Nasal vestibule
鼻前庭
Anterior nasal spine
鼻前棘
Incisive canal
切牙管
Oral cavity
口腔
Tongue
舌
Soft palate
软腭
Pharyngeal tonsil
咽扁桃体
Torus tubarius
咽鼓管圆枕
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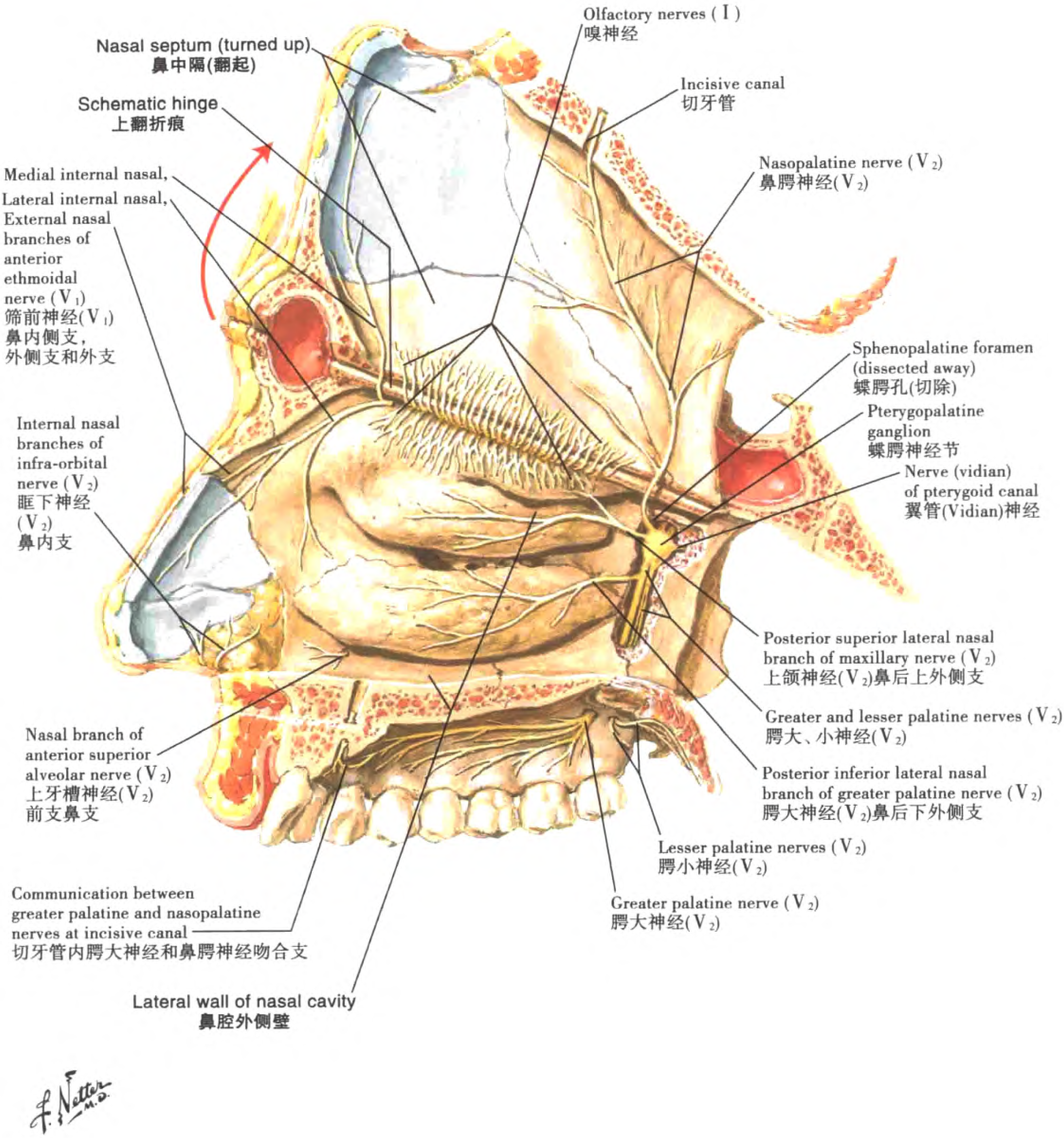

鳞部 窦 鼻棘 Frontal bone 额骨
Squamous part
Sinus
Nasal spine
Crista galli 鸡冠
Cribriform plate 筛板
Perpendicular plate 垂直板
Ethmoidal bone 筛骨
Nasal bone 鼻骨
犁骨 Vomer
Groove for nasopalatine nerve and vessels
犁骨沟(有鼻腭神经、血管通过)
鼻中隔软骨 Septal cartilage
Major alar cartilage (medial crus)
鼻翼大软骨(内侧部)
Crest 嵴
Body 体
Sphenoidal sinus 蝶窦
Medial, Lateral plates of pterygoid process
翼突内、外侧板
Sphenoidal bone 蝶骨
Basilar part of occipital bone 枕骨基底部
Pharyngeal tubercle
咽结节
Maxilla 上颌骨
Anterior nasal spine
鼻前棘
Nasal crest
鼻嵴
Incisive canal
切牙管
Palatine process
腭突
Perpendicular plate 垂直板
Nasal crest 鼻嵴
Posterior nasal spine 鼻后棘
Horizontal plate 水平板
Lesser palatine foramen 腭小孔
Palatine bone 腭骨
Greater palatine foramen
腭大孔

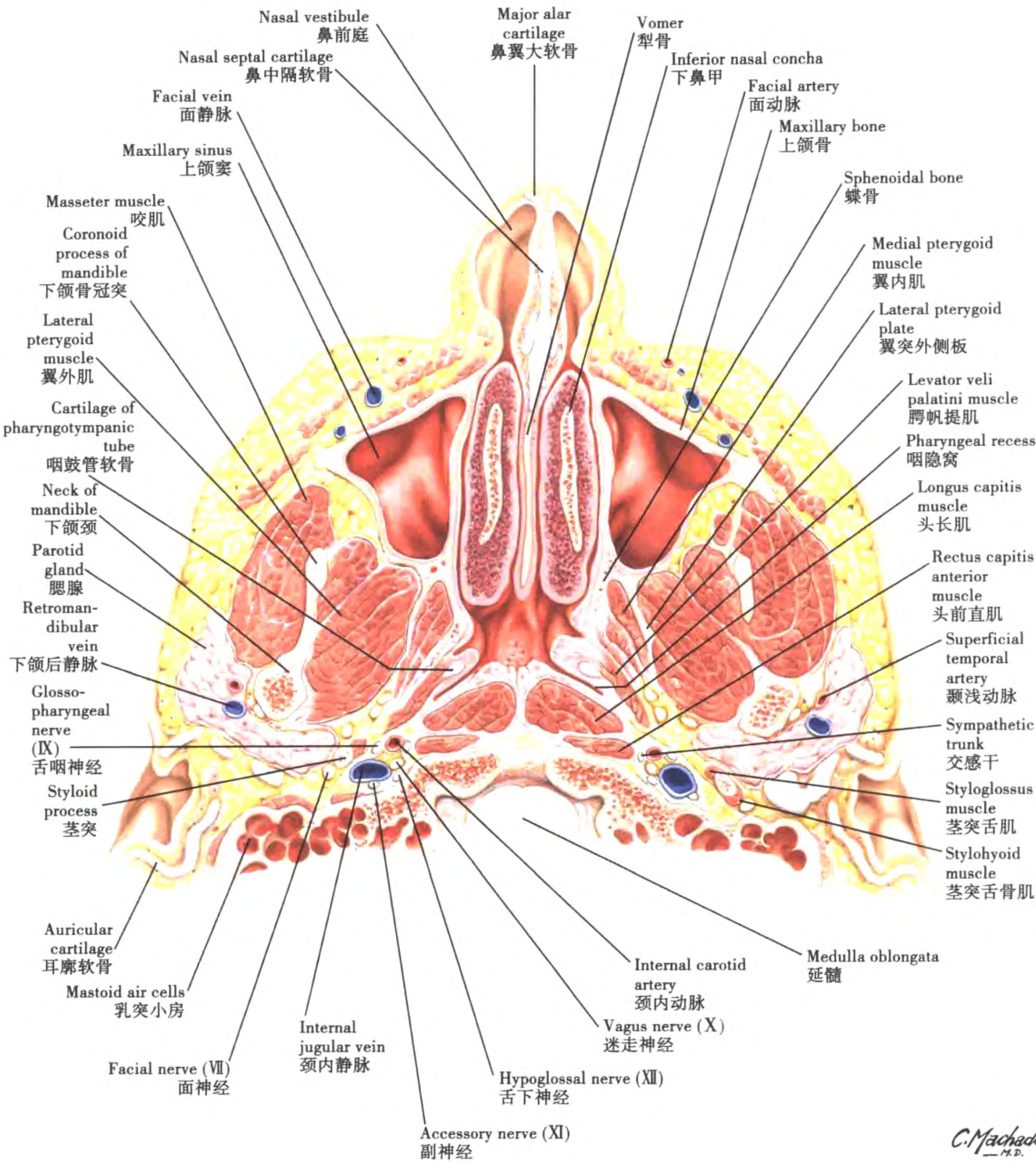

Distribution of olfactory mucosa (shaded blue)
嗅粘膜分布(染成蓝色)
Lateral wall of nasal cavity
鼻腔外侧壁
Nasal septum
鼻中隔
External nasal branch of anterior ethmoidal nerve (V 1) 筛前神经的鼻外支
Lateral internal nasal branch of anterior ethmoidal nerve (V 1) 筛前神经的鼻内外侧支
Olfactory bulb 嗅球
Cribriform plate 筛板
Olfactory tract 嗅束
Posterior superior lateral nasal branches from maxillary nerve (V 2) 上颌神经鼻后上外侧支
Maxillary nerve (V 2) (sphenopalatine foramen dissected away) 上颌神经(切除蝶腭孔)
Pterygopalatine ganglion 翼腭神经节
Greater petrosal nerve 岩大神经
Deep petrosal nerve 岩深神经
Nerve (vidian) of pterygoid canal 翼管(Vidian)神经
Pharyngeal branch of maxillary nerve (V 2) 上颌神经咽支
Nasopalatine nerve (V 2) passing to septum (cut)
至鼻中隔(切断)的鼻腭神经
Posterior inferior lateral nasal branch from greater palatine nerve (V 2)
腭大神经鼻后下外侧支
Lateral wall of nasal cavity
鼻腔外侧壁
Olfactory nerves (I)
嗅神经
Palatine nerves (V 2)
腭神经
大 Greater
Lesser 小
Olfactory bulb 嗅球
Cribriform plate 筛板
Olfactory tract 嗅束
Medial internal nasal branch of anterior ethmoidal nerve (V 1)
筛前神经鼻内内侧支
Olfactory nerves (I)
嗅神经
鼻腭神经 Nasopalatine nerve (V 2)
Incisive canal
切牙管
Nasal septum
鼻中隔
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参见图 57

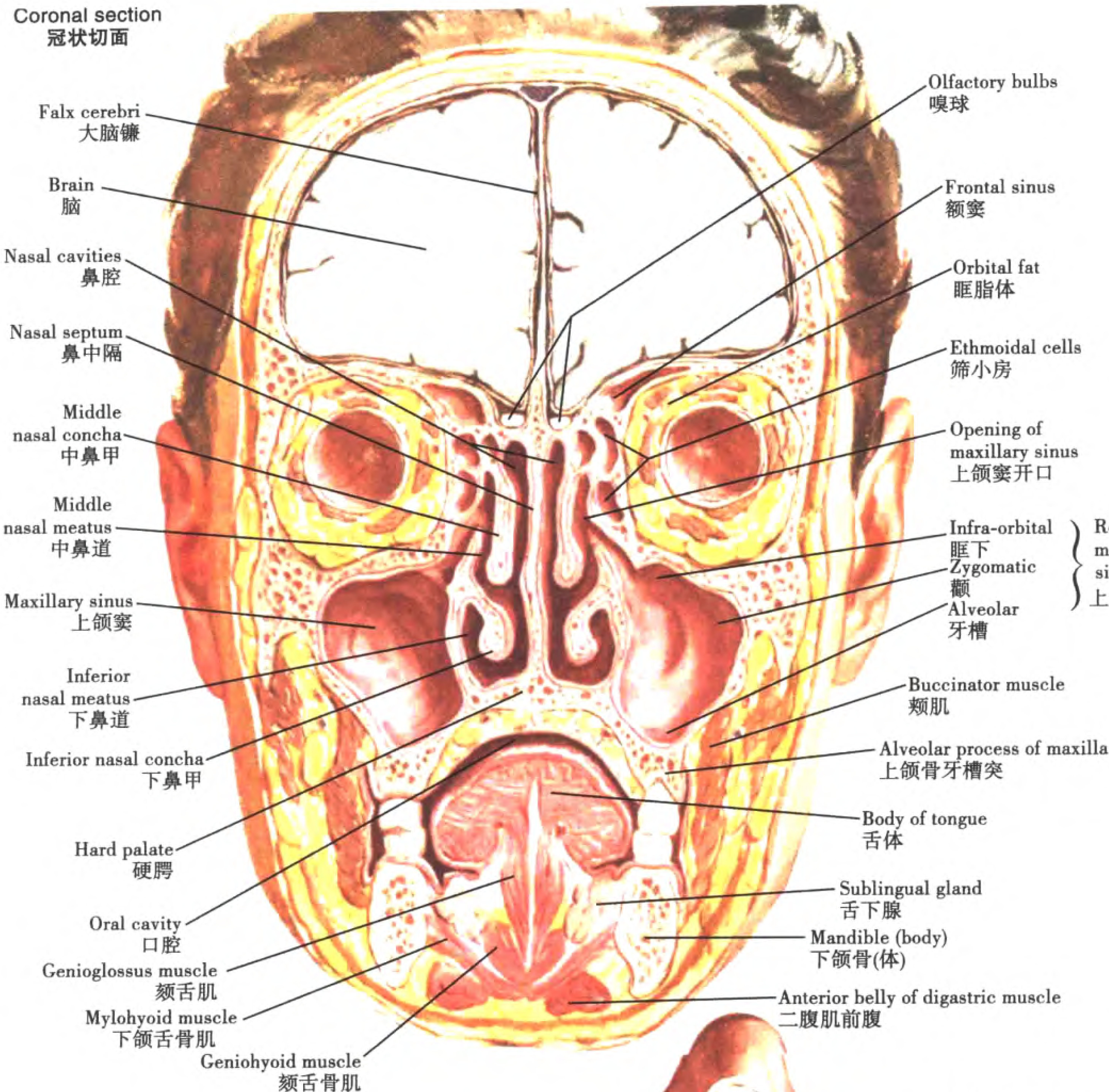


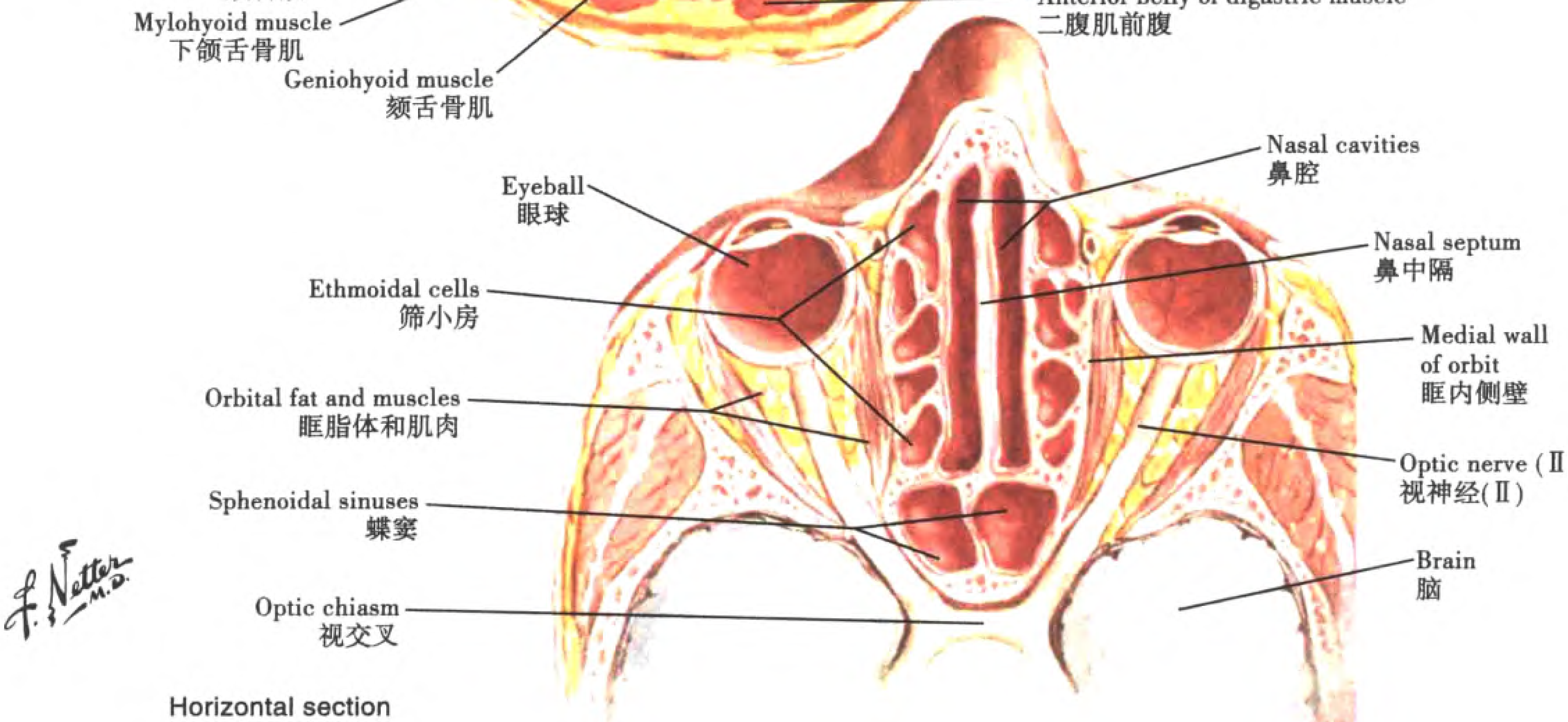
Nasal septal branch of superior labial branch (of facial artery)
上唇动脉鼻中隔支(起自面动脉)
Nasal septum (turned up)
鼻中隔(上翻)
Anastomosis between posterior septal branch of sphenopalatine artery and greater palatine artery in incisive canal
切牙管内蝶腭动脉鼻中隔后支和腭大动脉吻合支
Schematic hinge
上翻折痕
Septal and lateral nasal branches of posterior ethmoidal artery
筛后动脉鼻中隔支和鼻外侧支
Anterior septal branch, Anterior lateral nasal branch, External nasal branch of anterior ethmoidal artery
筛前动脉鼻中隔前支，前外侧支和外支
Posterior septal branch of sphenopalatine artery
蝶腭动脉鼻中隔后支
Sphenopalatine artery
蝶腭动脉
Sphenopalatine foramen
蝶腭孔
Alar branches of lateral nasal branch (of facial artery)
鼻外侧动脉翼支(起自面动脉)
Posterior lateral nasal branches of sphenopalatine artery
蝶腭动脉鼻后外侧支
Maxillary artery 上颌动脉
Inferior alveolar artery
下牙槽动脉
External carotid artery 颈外动脉
Anastomosis between posterior septal branch of sphenopalatine artery and greater palatine artery in incisive canal
切牙管内蝶腭动脉鼻中隔后支和腭大动脉吻合支
Lesser palatine foramen and artery
腭小孔和腭小动脉
Greater palatine artery
腭大动脉
Greater palatine foramen and artery
腭大孔和腭大动脉
Lateral wall of nasal cavity
鼻腔外侧壁
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Olfactory nerves (Ⅰ)
嗅神经
Nasal septum (turned up)
鼻中隔(翻起)
Incisive canal
切牙管
Schematic hinge
上翻折痕
Nasopalatine nerve (V_2)
鼻腭神经(V_2)
Medial internal nasal,
Lateral internal nasal,
External nasal
branches of
anterior
ethmoidal
nerve (V_1)
筛前神经(V_1)
鼻内侧支，
外侧支和外支
Sphenopalatine foramen
(dissected away)
蝶腭孔(切除)
Pterygopalatine
ganglion
蝶腭神经节
Internal nasal
branches of
infra-orbital
nerve (V_2)
眶下神经
(V_2)
鼻内支
Nerve (vidian)
of pterygoid canal
翼管(Vidian)神经
Posterior superior lateral nasal
branch of maxillary nerve (V_2)
上颌神经(V_2)鼻后上外侧支
Greater and lesser palatine nerves (V_2)
腭大、小神经(V_2)
Nasal branch of
anterior superior
alveolar nerve (V_2)
上牙槽神经(V_2)
前支鼻支
Posterior inferior lateral nasal
branch of greater palatine nerve (V_2)
腭大神经(V_2)鼻后下外侧支
Lesser palatine nerves (V_2)
腭小神经(V_2)
Communication between
greater palatine and nasopalatine
nerves at incisive canal
切牙管内腭大神经和鼻腭神经吻合支
Greater palatine nerve (V_2)
腭大神经(V_2)
Lateral wall of nasal cavity
鼻腔外侧壁
F. Netter M.D.


Nasal vestibule
鼻前庭
Nasal septal cartilage
鼻中隔软骨
Facial vein
面静脉
Maxillary sinus
上颌窦
Masseter muscle
咬肌
Coronoid process of mandible
下颌骨冠突
Lateral pterygoid muscle
翼外肌
Cartilage of pharyngotympanic tube
咽鼓管软骨
Neck of mandible
下颌颈
Parotid gland
腮腺
Retromandibular vein
下颌后静脉
Glossopharyngeal nerve (IX)
舌咽神经
Styloid process
茎突
Auricular cartilage
耳廓软骨
Mastoid air cells
乳突小房
Facial nerve (VII)
面神经
Internal jugular vein
颈内静脉
Accessory nerve (XI)
副神经
Hypoglossal nerve (XII)
舌下神经
Vagus nerve (X)
迷走神经
Internal carotid artery
颈内动脉
Medulla oblongata
延髓
Major alar cartilage
鼻翼大软骨
Vomer
犁骨
Inferior nasal concha
下鼻甲
Facial artery
面动脉
Maxillary bone
上颌骨
Sphenoidal bone
蝶骨
Medial pterygoid muscle
翼内肌
Lateral pterygoid plate
翼突外侧板
Levator veli palatini muscle
腭帆提肌
Pharyngeal recess
咽隐窝
Longus capitis muscle
头长肌
Rectus capitis anterior muscle
头前直肌
Superficial temporal artery
颞浅动脉
Sympathetic trunk
交感干
Styloglossus muscle
茎突舌肌
Stylohyoid muscle
茎突舌骨肌
C.Machado M.D.

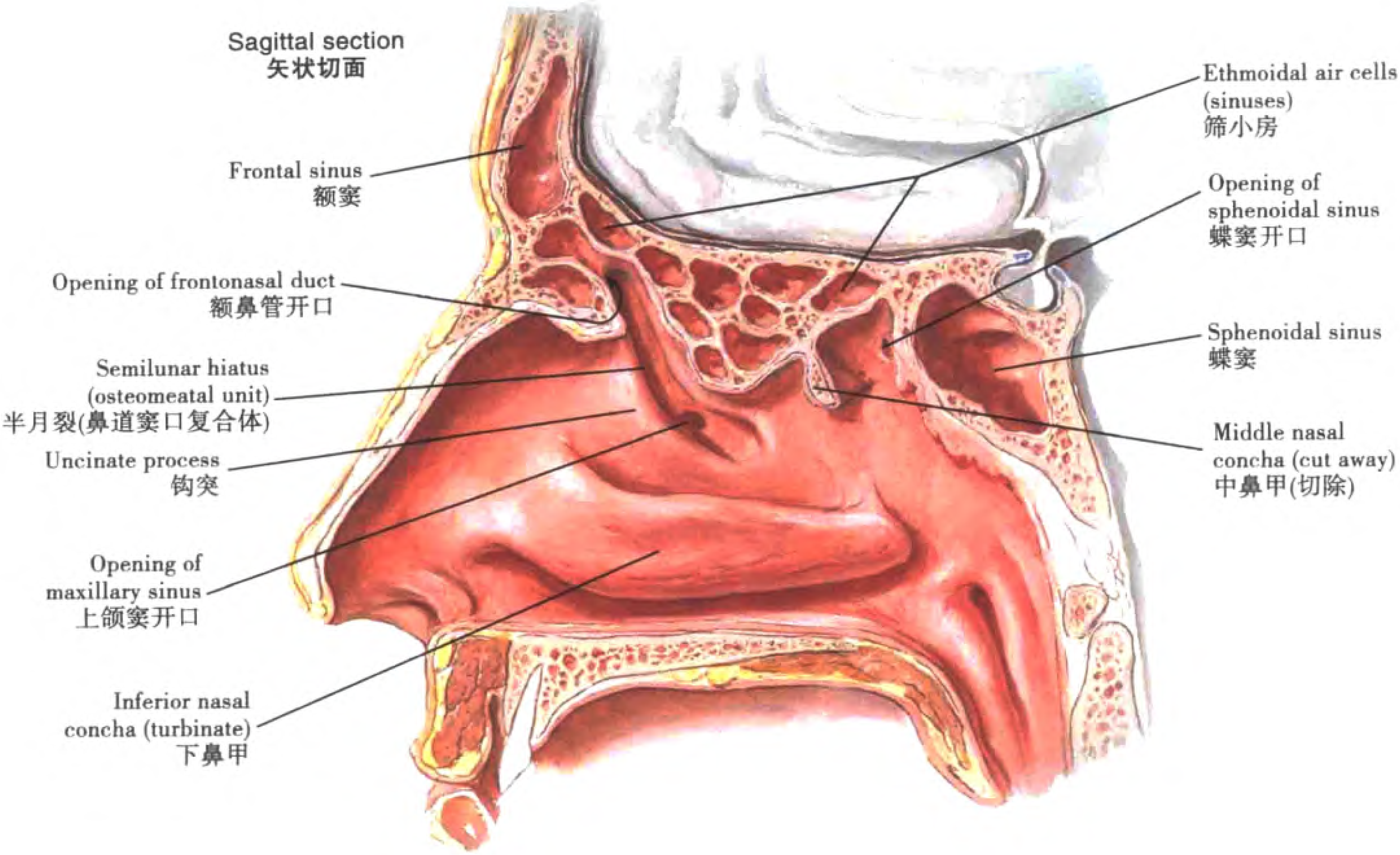
Coronal section
冠状切面

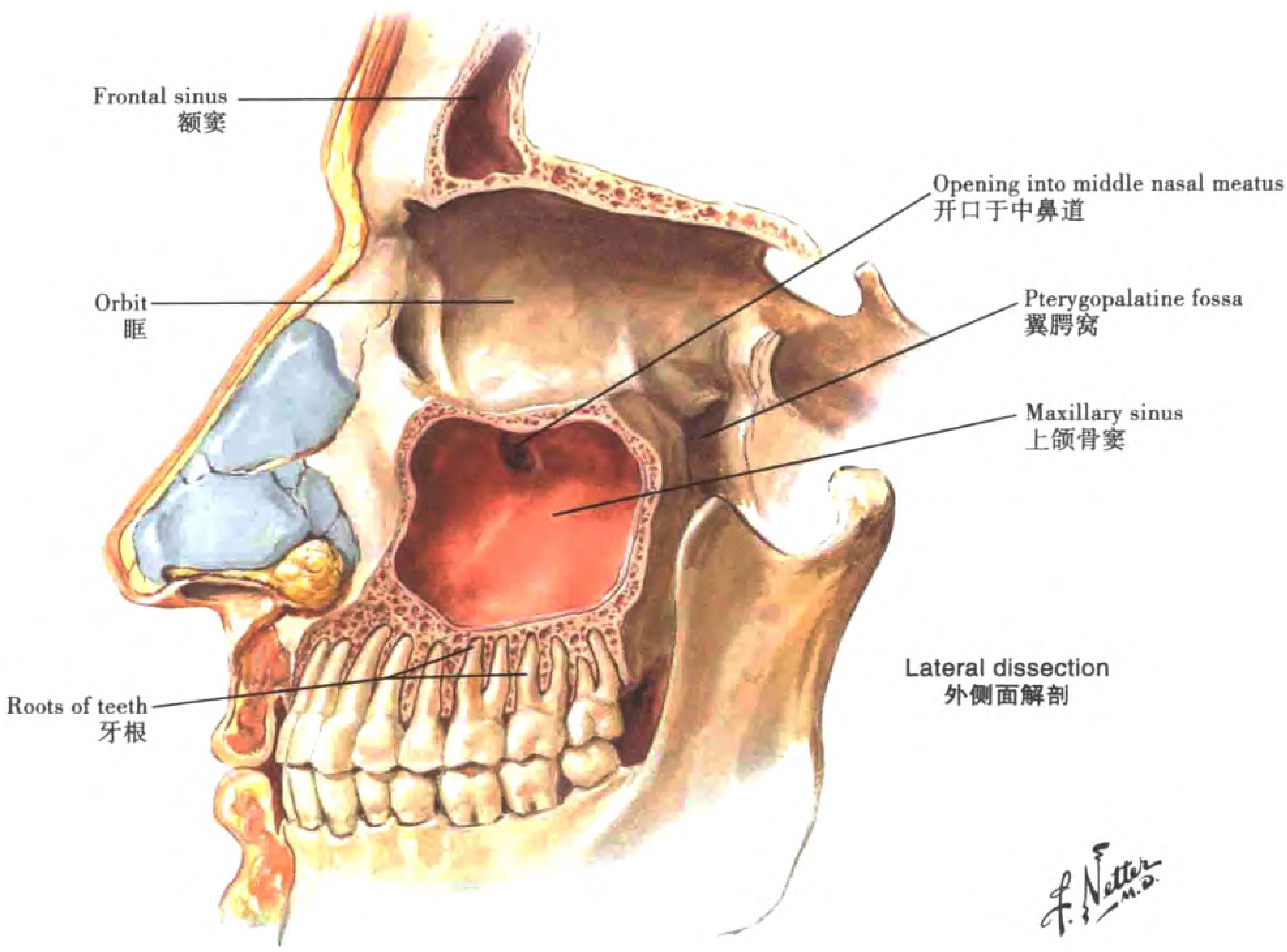




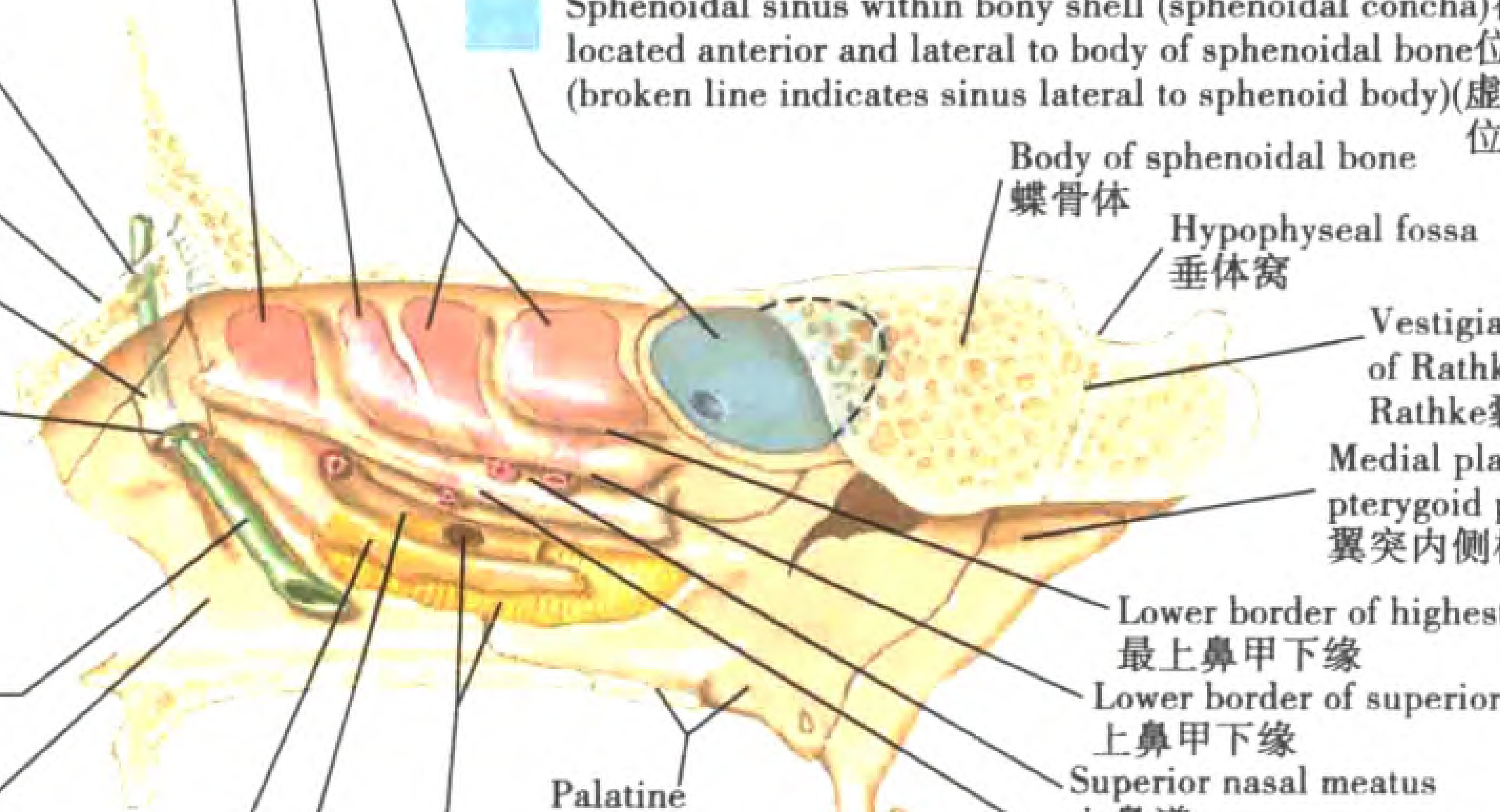
Horizontal section
水平切面

图 43 鼻部

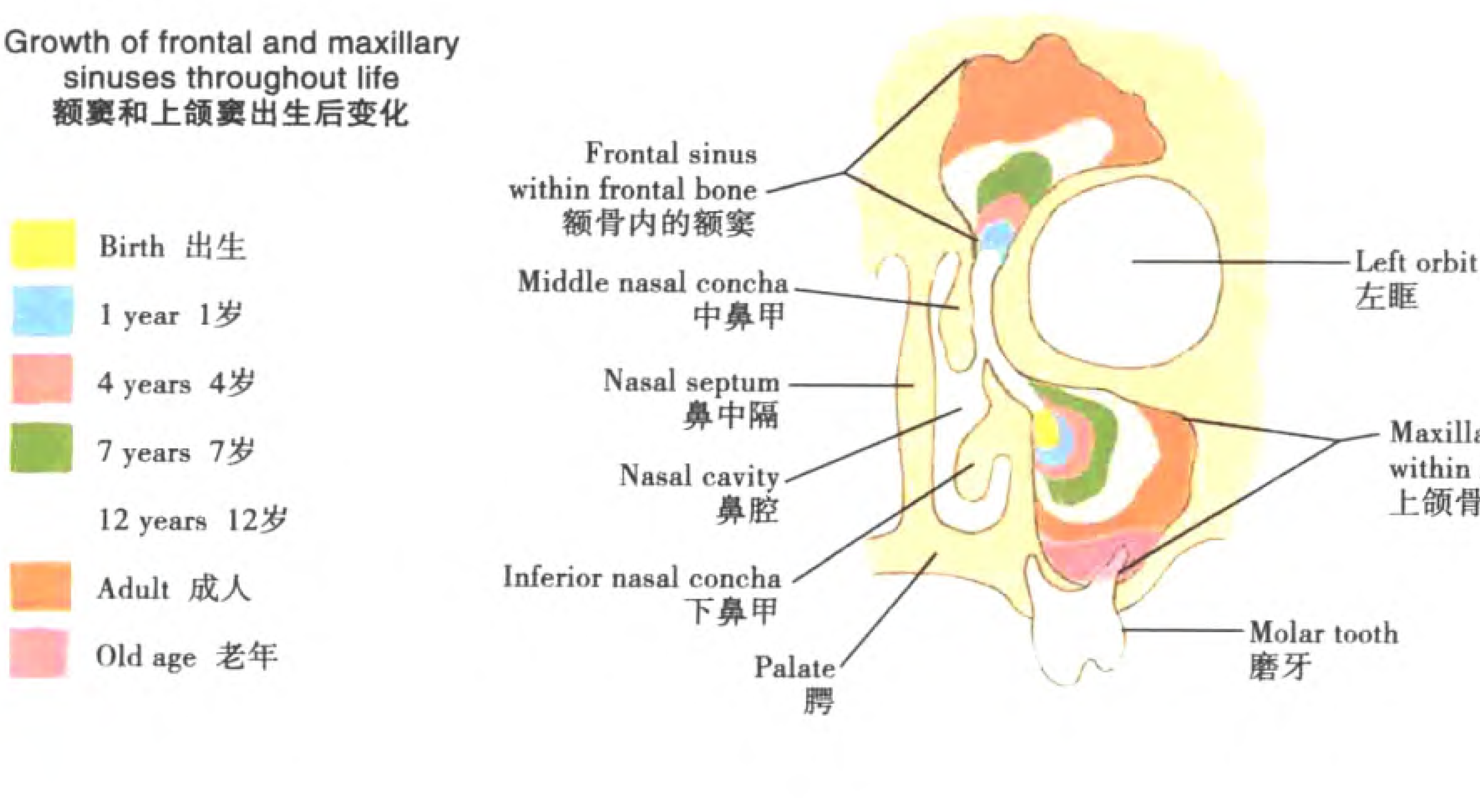

Sagittal section
矢状切面
Frontal sinus
额窦
Opening of frontonasal duct
额鼻管开口
Semilunar hiatus (osteomeatal unit)
半月裂(鼻道窦口复合体)
Uncinate process
钩突
Opening of maxillary sinus
上颌窦开口
Inferior nasal concha (turbinate)
下鼻甲
Ethmoidal air cells (sinuses)
筛小房
Opening of sphenoidal sinus
蝶窦开口
Sphenoidal sinus
蝶窦
Middle nasal concha (cut away)
中鼻甲(切除)

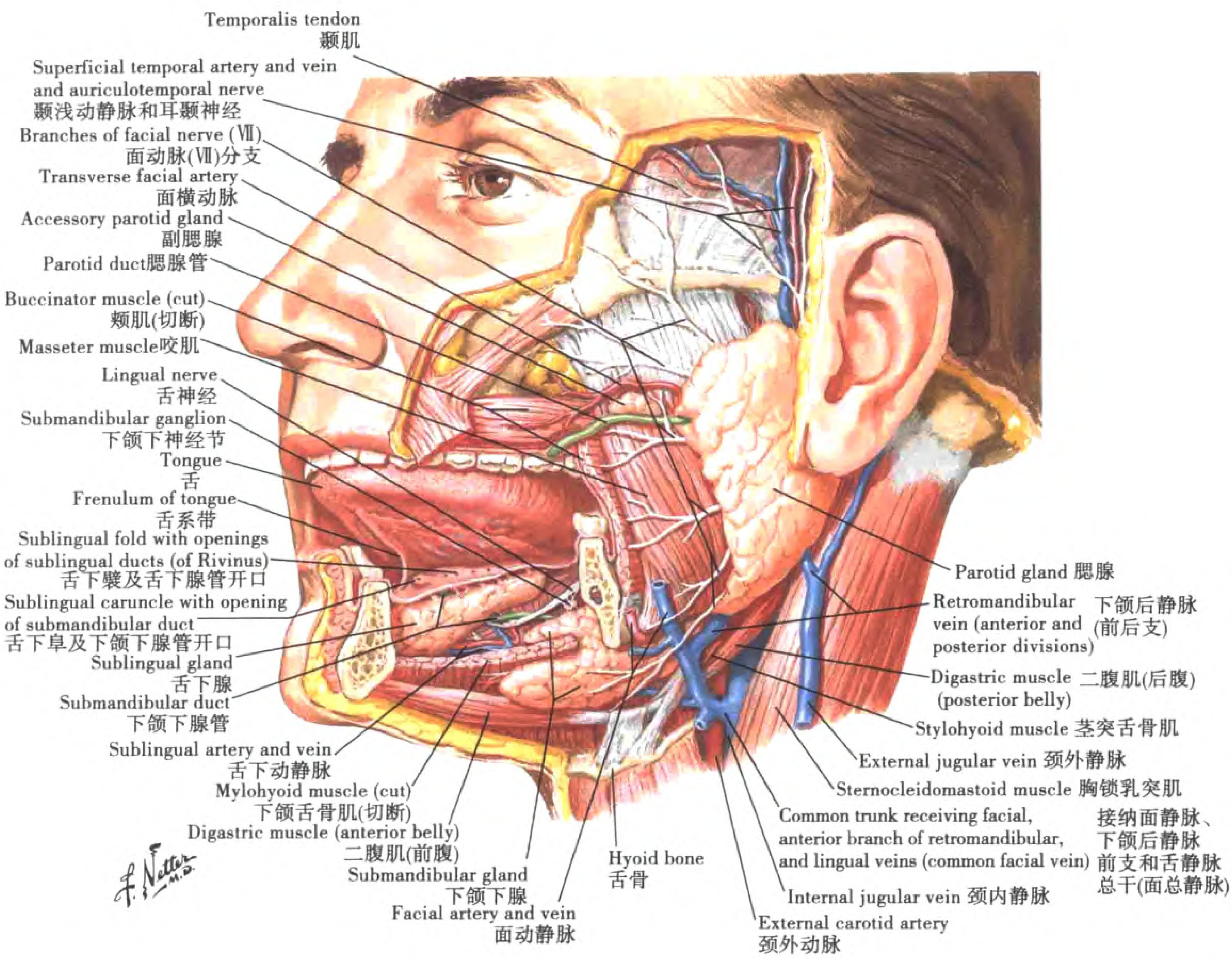

Frontal sinus
额窦
Orbit
眶
Roots of teeth
牙根
Opening into middle nasal meatus
开口于中鼻道
Pterygopalatine fossa
翼腭窝
Maxillary sinus
上颌骨窦
Lateral dissection
外侧面解剖
F. Netter M.D.

Bones of nasal cavity and paranasal sinuses at birth
新生儿鼻腔和鼻旁窦



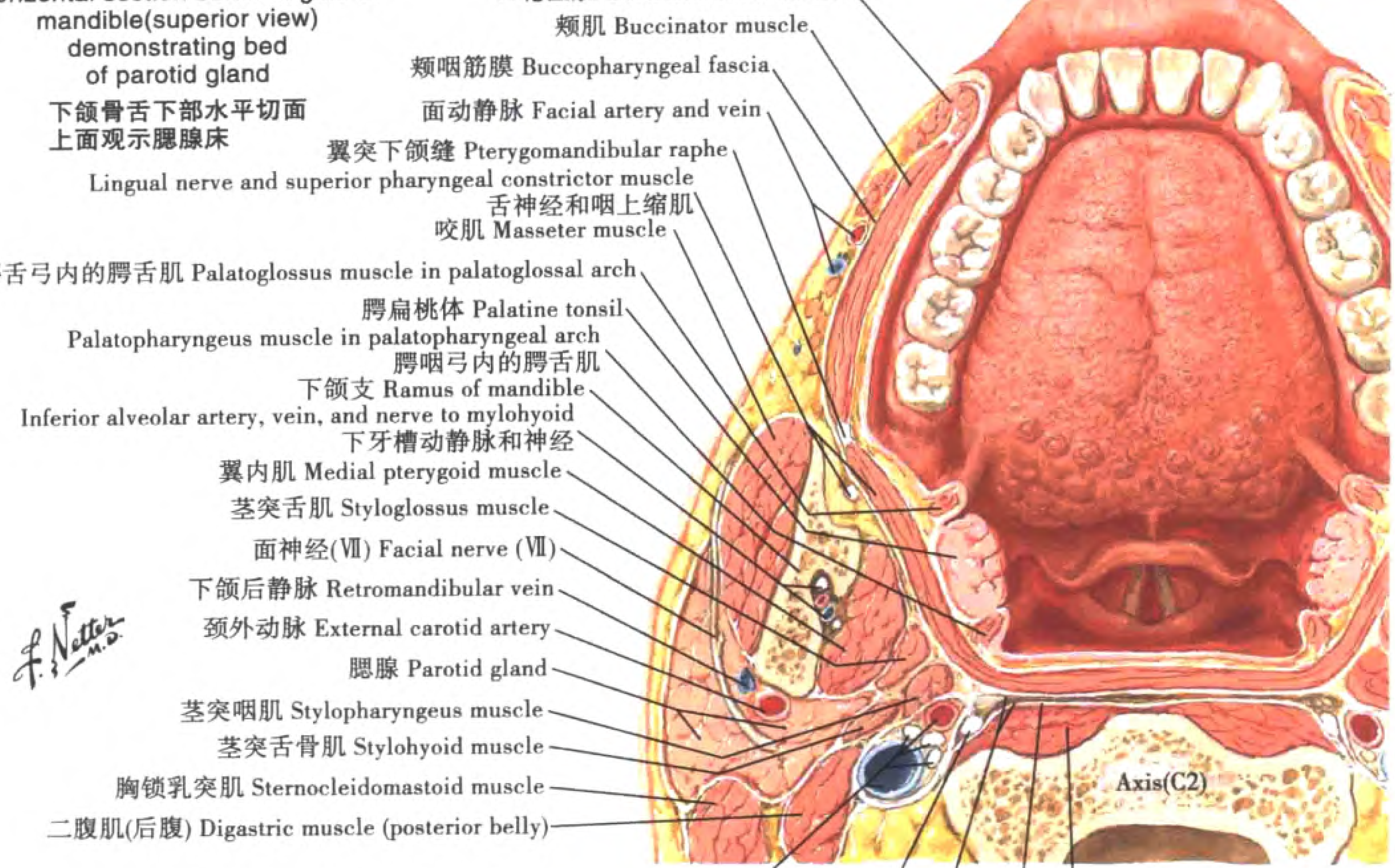
Growth of frontal and maxillary sinuses throughout life
额窦和上颌窦出生后变化

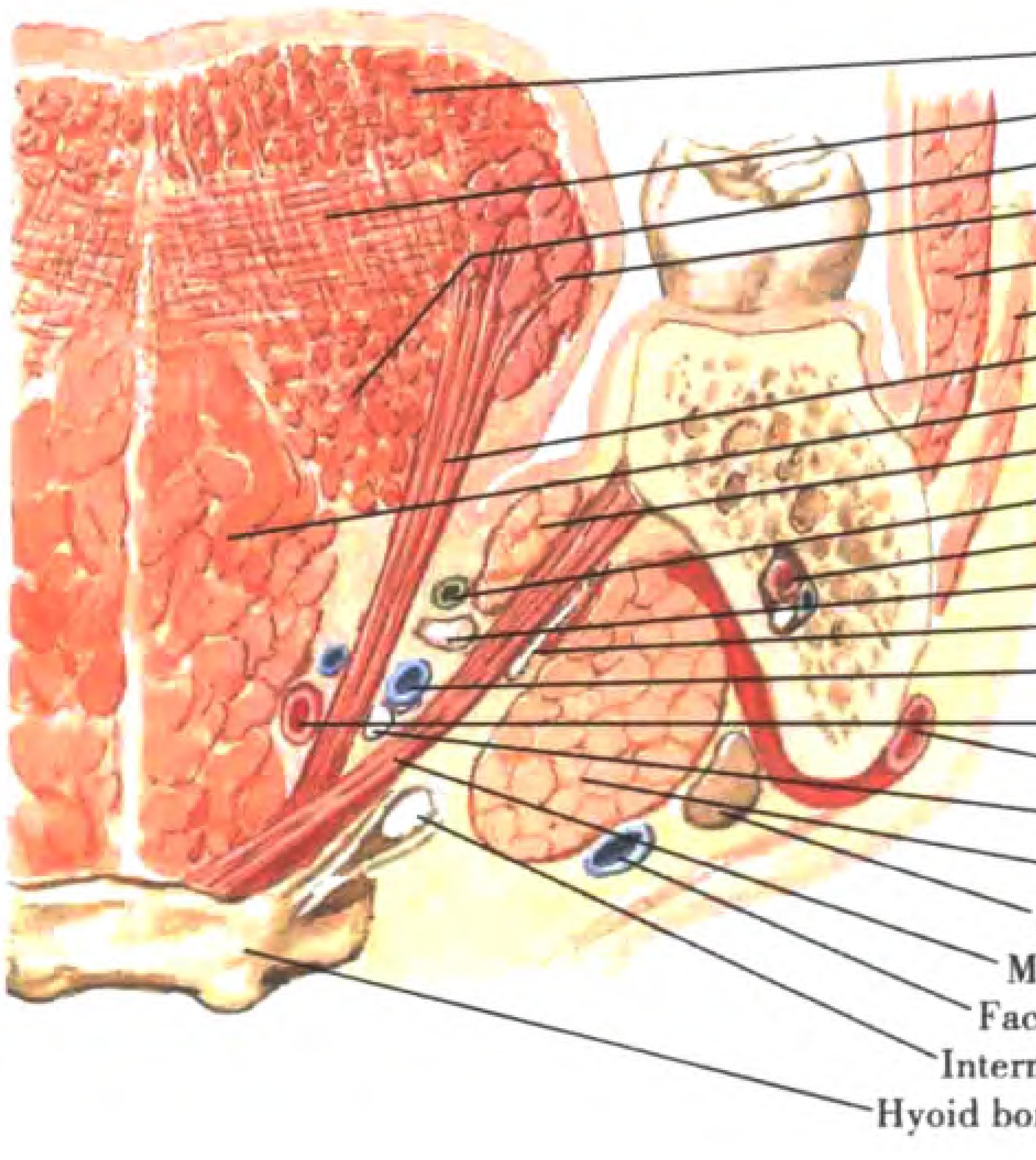



Temporalis tendon
颞肌
Superficial temporal artery and vein and auriculotemporal nerve
颞浅动静脉和耳颞神经
Branches of facial nerve (Ⅶ)
面动脉(Ⅶ)分支
Transverse facial artery
面横动脉
Accessory parotid gland
副腮腺
Parotid duct腮腺管
Buccinator muscle (cut)
颊肌(切断)
Masseter muscle咬肌
Lingual nerve
舌神经
Submandibular ganglion
下颌下神经节
Tongue
舌
Frenulum of tongue
舌系带
Sublingual fold with openings of sublingual ducts (of Rivinus)
舌下襞及舌下腺管开口
Sublingual caruncle with opening of submandibular duct
舌下阜及下颌下腺管开口
Sublingual gland
舌下腺
Submandibular duct
下颌下腺管
Sublingual artery and vein
舌下动静脉
Mylohyoid muscle (cut)
下颌舌骨肌(切断)
Digastric muscle (anterior belly)
二腹肌(前腹)
Submandibular gland
下颌下腺
Facial artery and vein
面动静脉
Hyoid bone
舌骨
Parotid gland 腮腺
Retromandibular vein (anterior and posterior divisions) 下颌后静脉(前后支)
Digastric muscle (posterior belly) 二腹肌(后腹)
Stylohyoid muscle 茎突舌骨肌
External jugular vein 颈外静脉
Sternocleidomastoid muscle 胸锁乳突肌
Common trunk receiving facial, anterior branch of retromandibular, and lingual veins (common facial vein) 接纳面静脉、下颌后静脉前支和舌静脉总干(面总静脉)
Internal jugular vein 颈内静脉
External carotid artery
颈外动脉
F. Netter M.D.

Horizontal section below lingula of mandible(superior view) demonstrating bed of parotid gland

下颌骨舌下部水平切面上面观示腮腺床



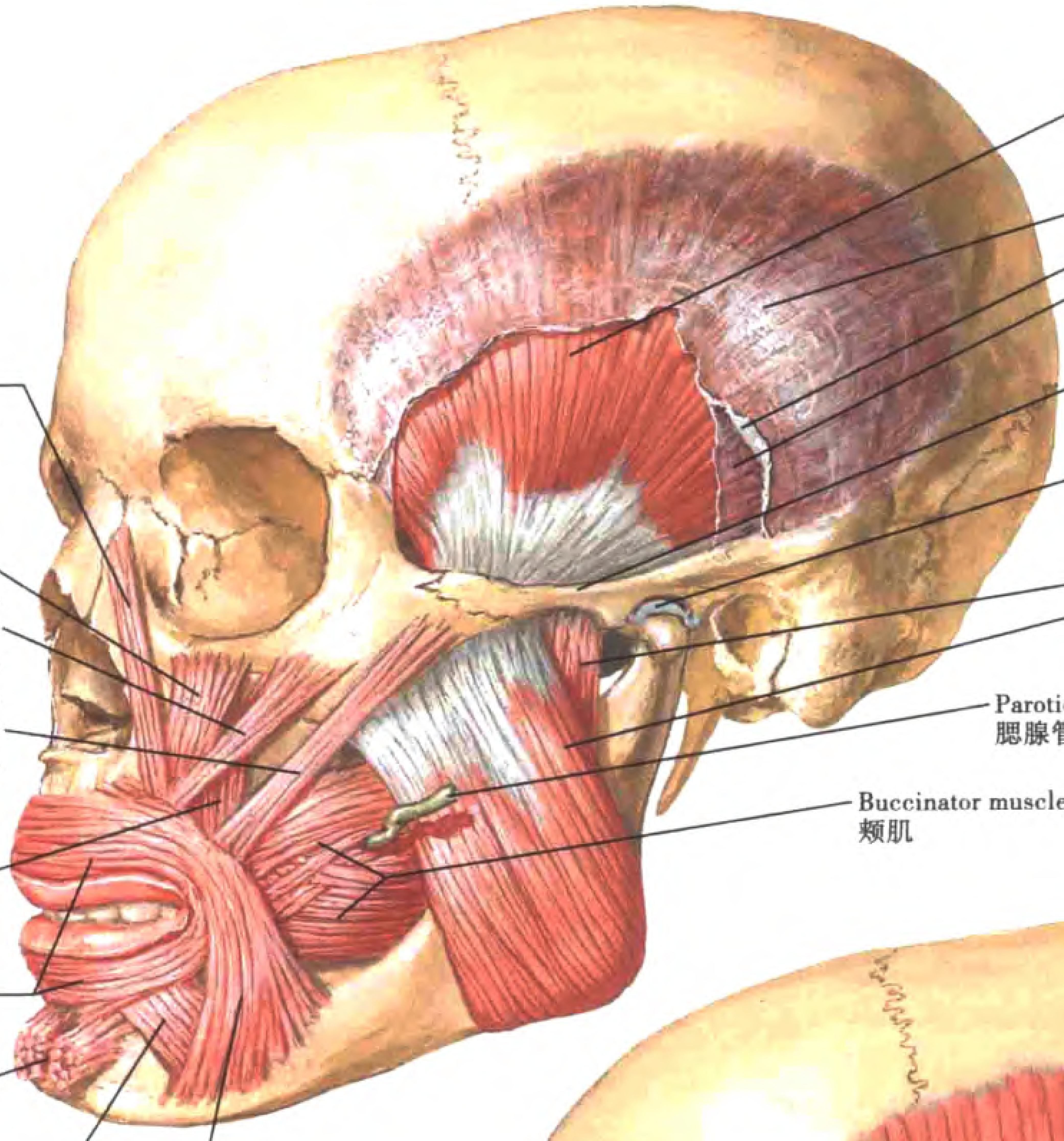


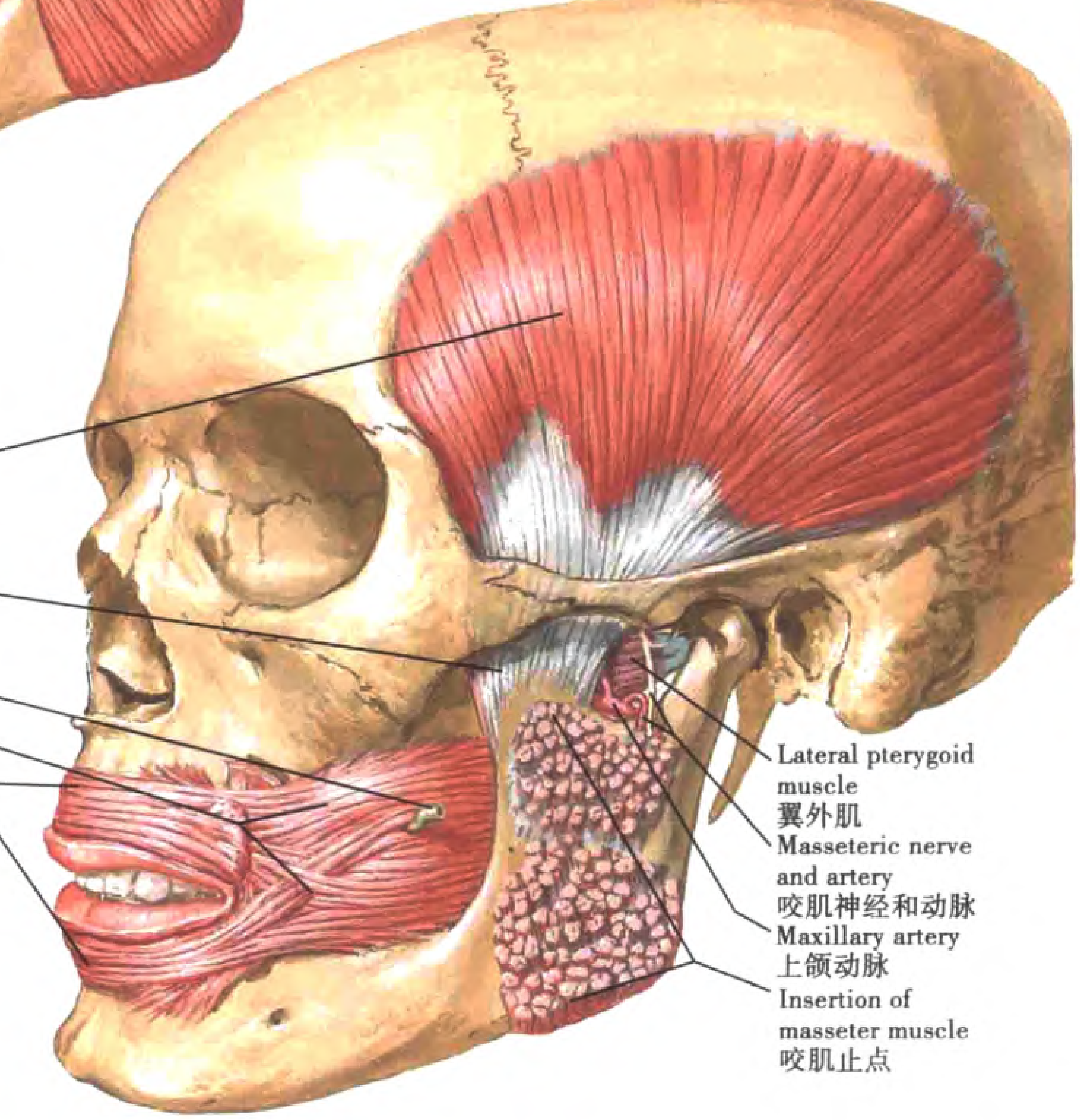
Coronal section posterior to 1st molar tooth (anterior view) demonstrating beds of sublingual and submandibular glands

第一磨牙后的冠状切面(前面观)示舌下腺和下颌下腺床

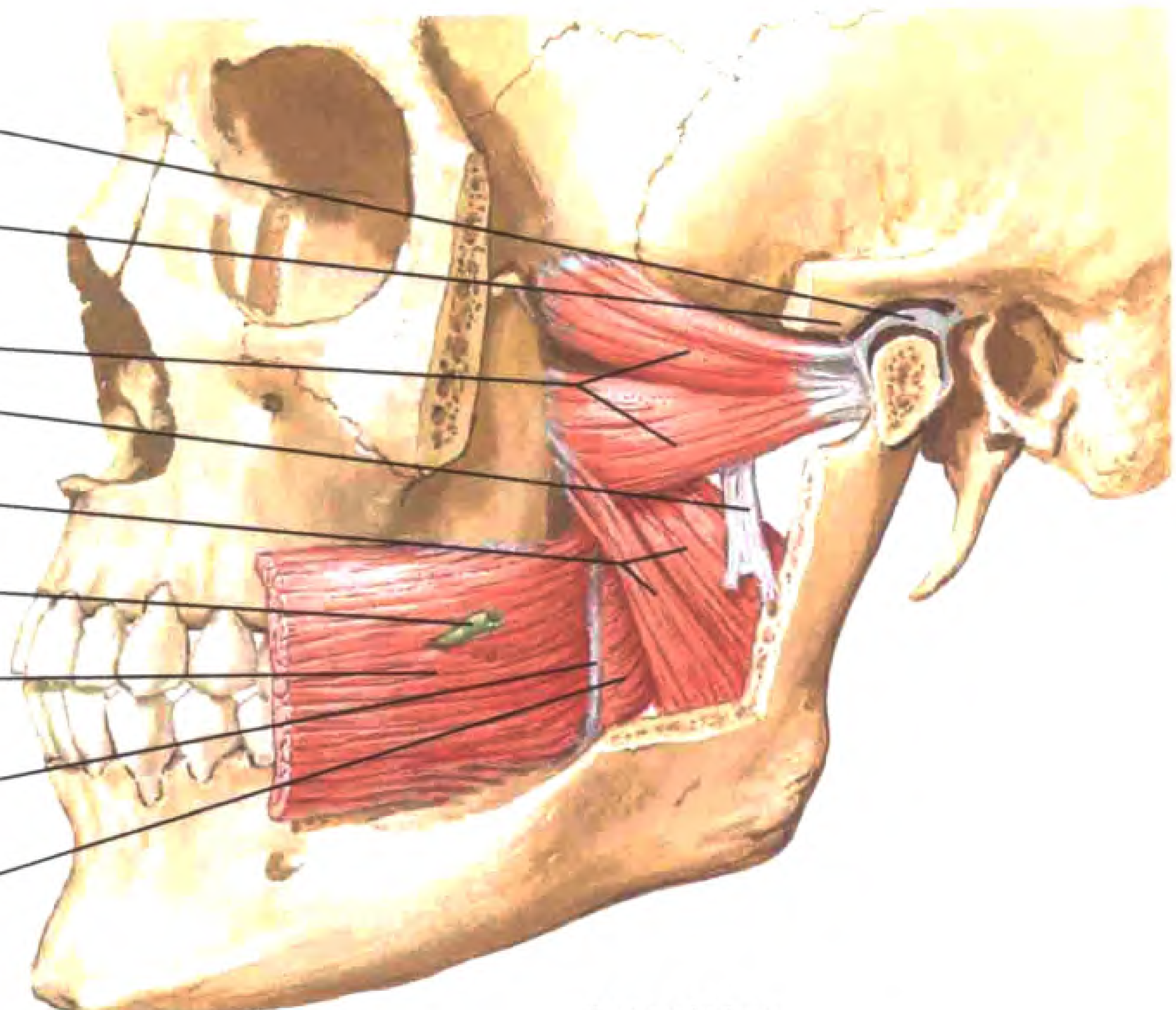
咀嚼肌

面部肌群参见图 25

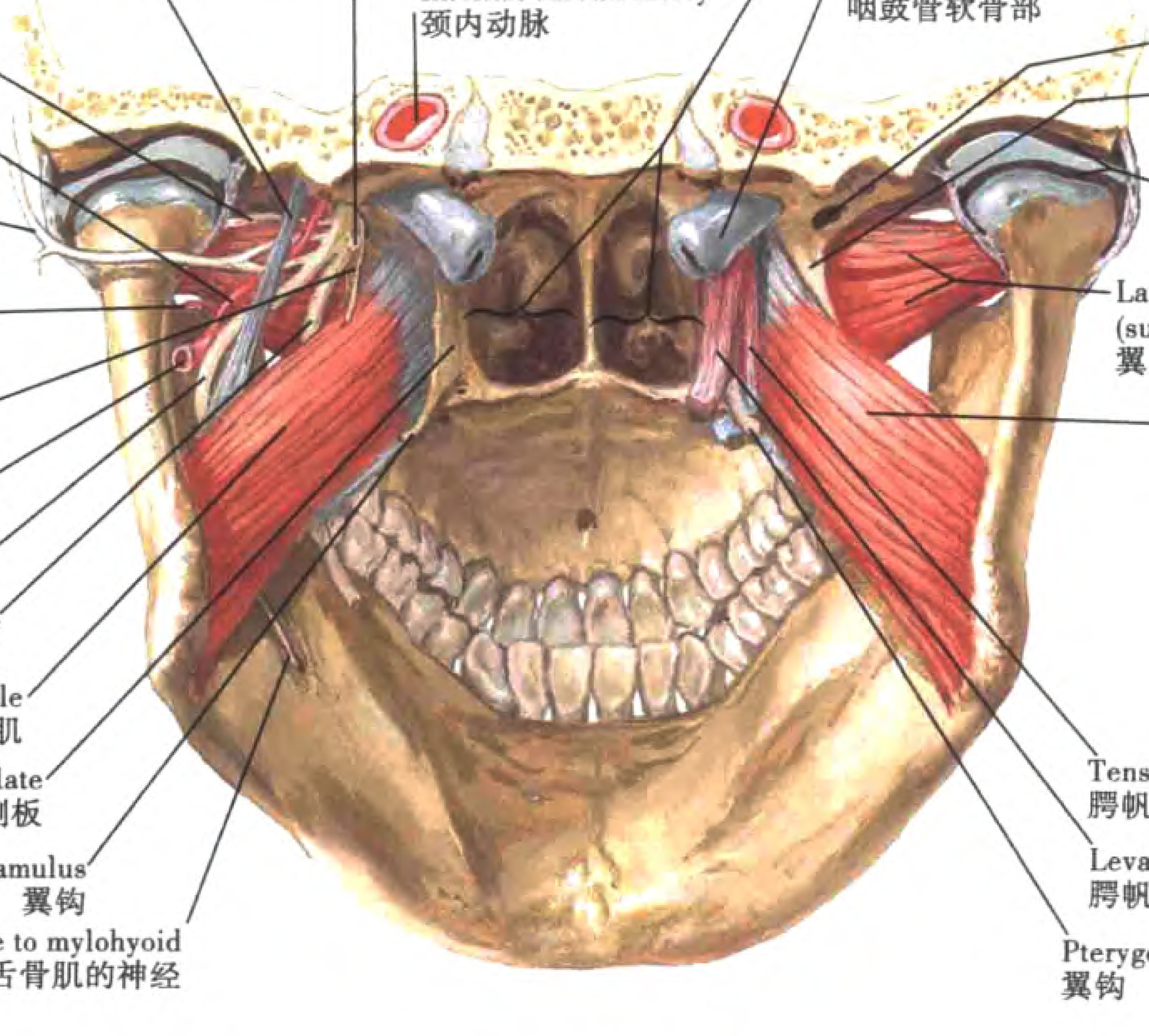




参见图 18,68



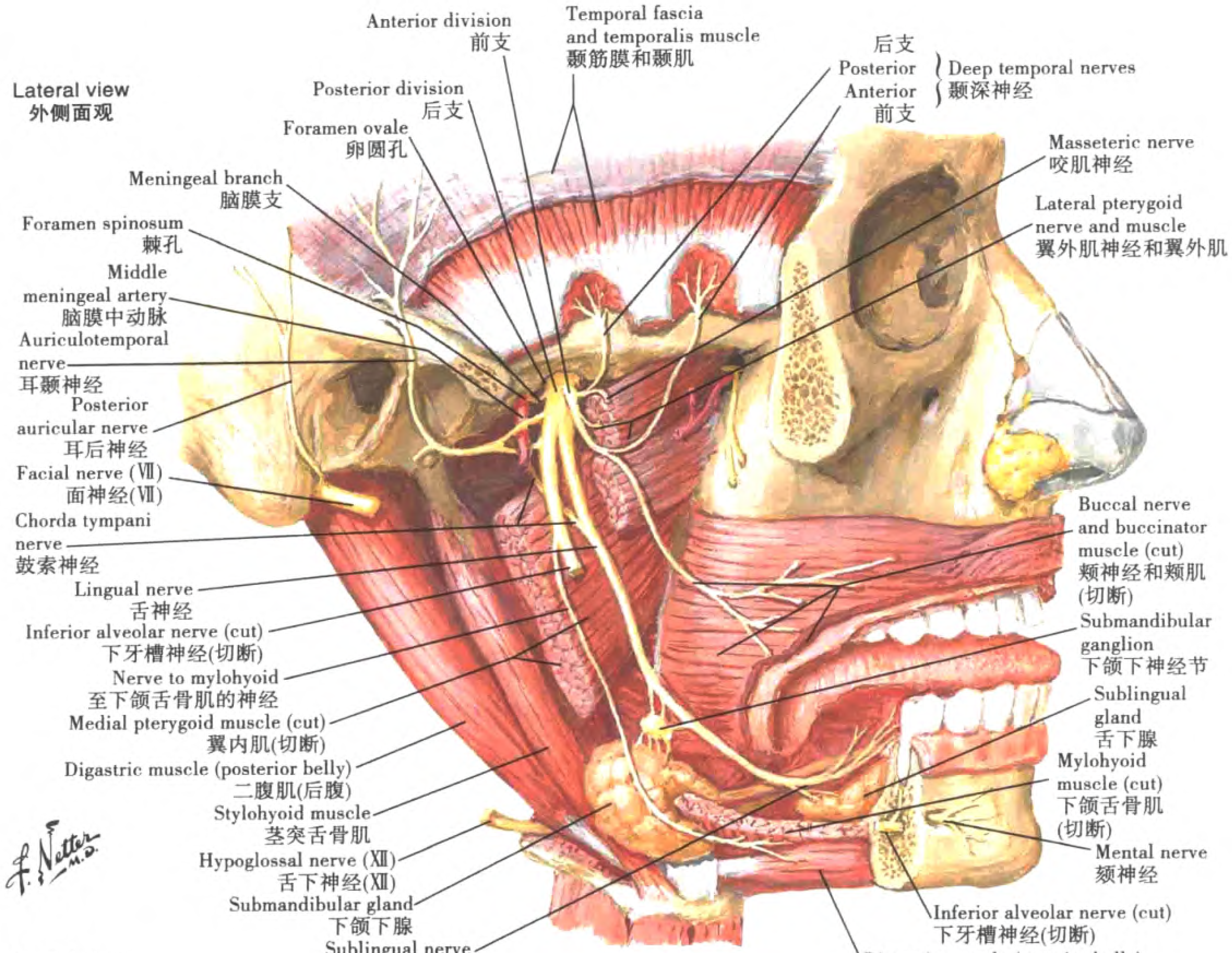
Lateral view
外侧面观

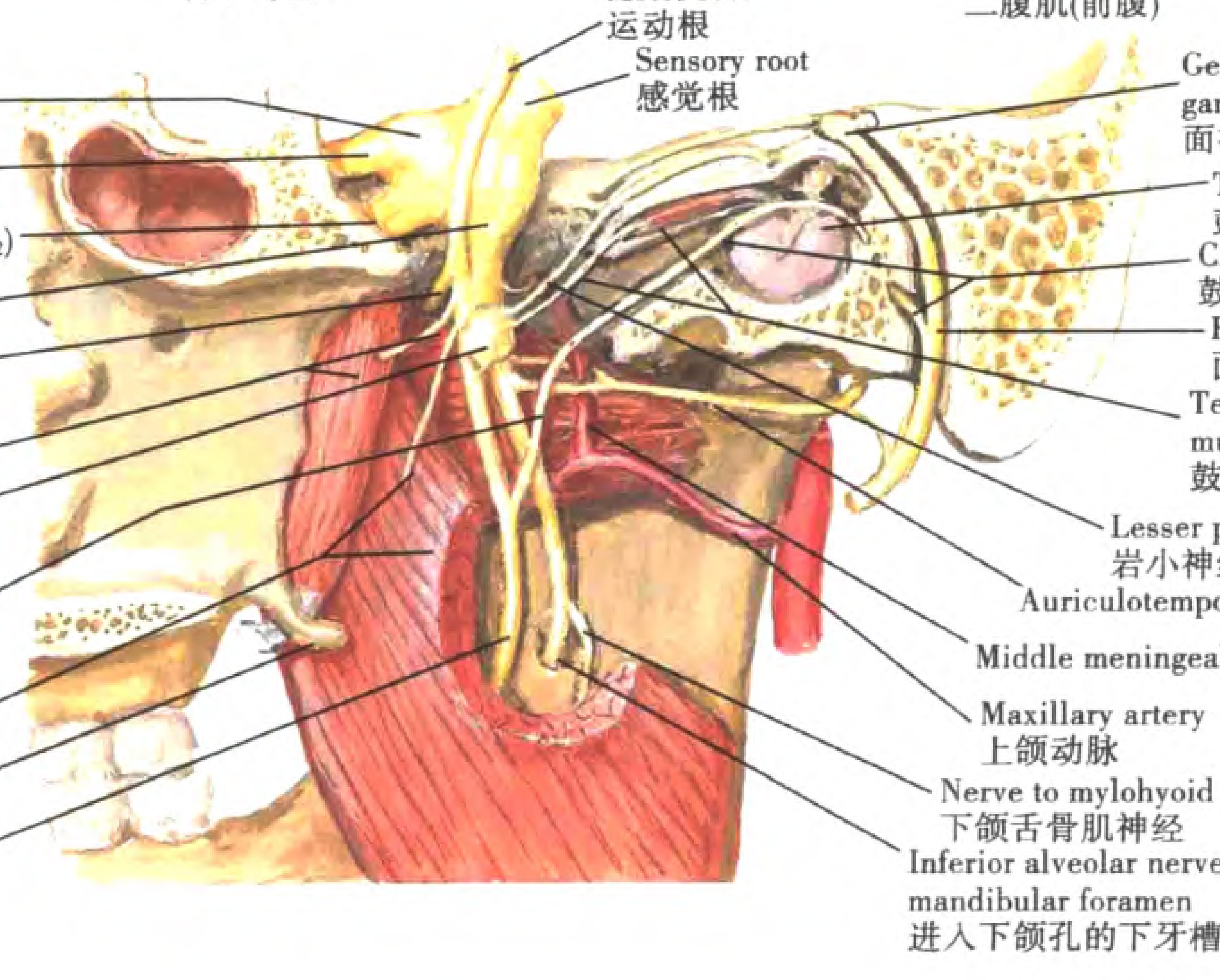


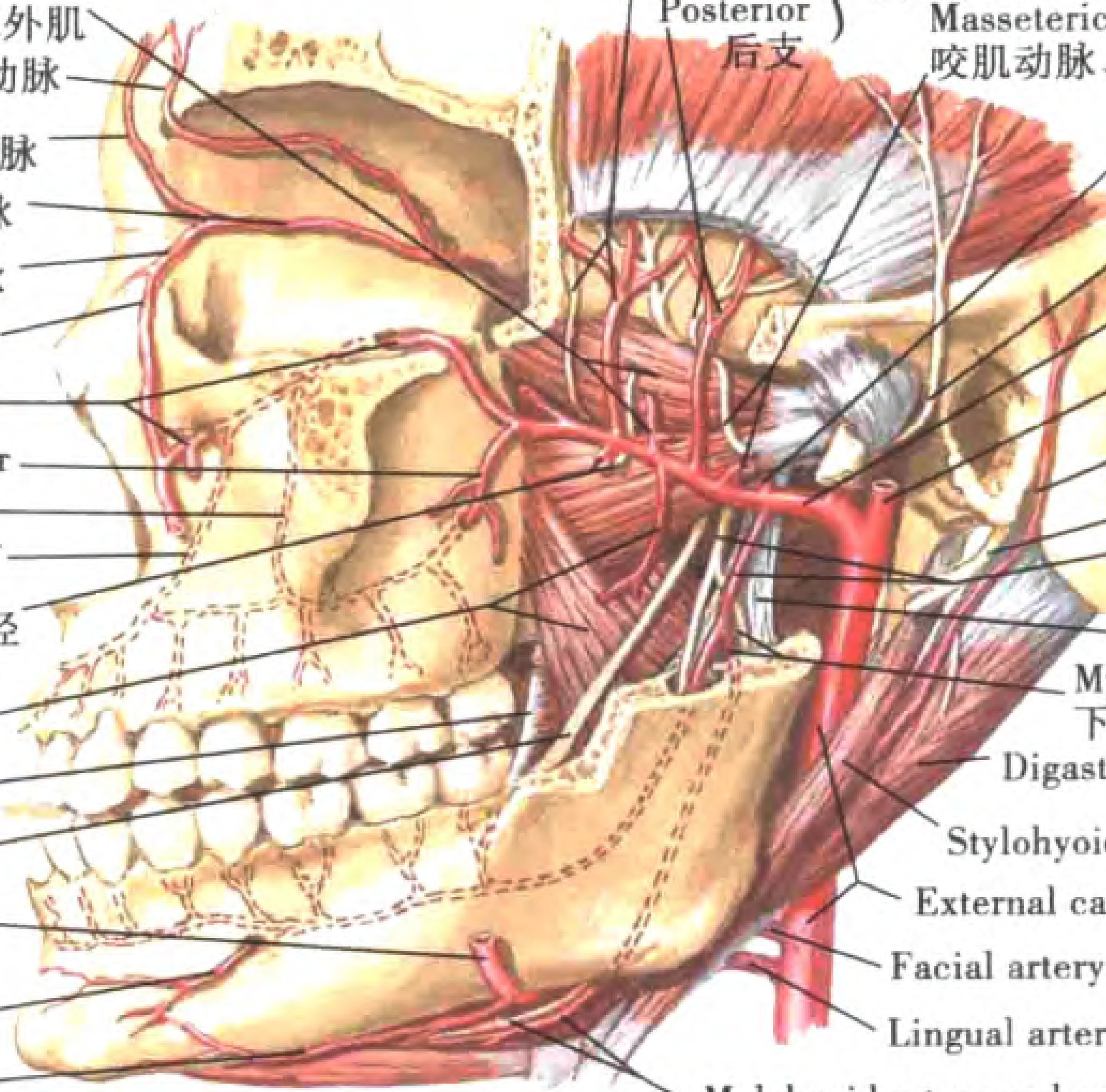
Posterior view
后面观

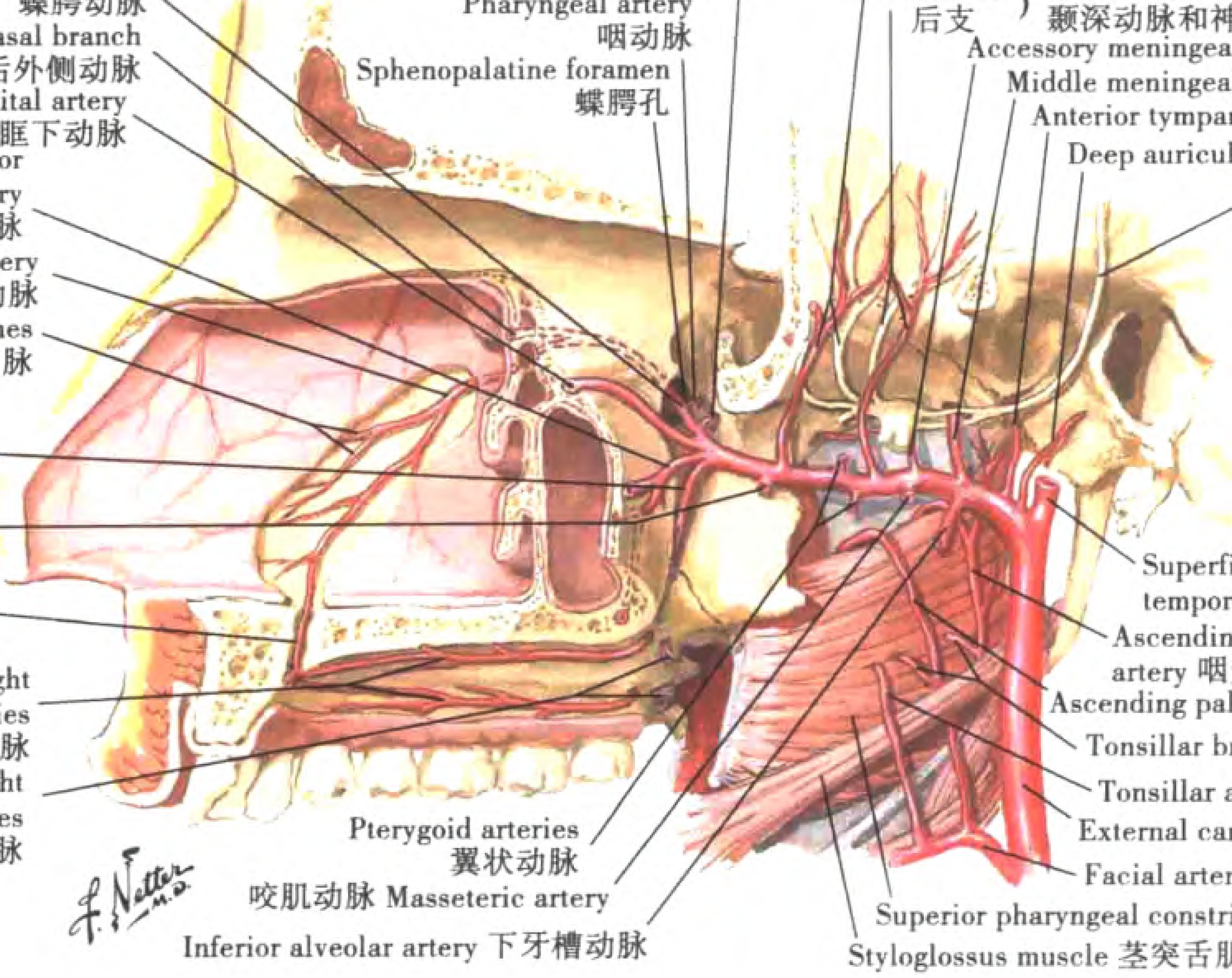
下颌神经(V₃)

参见图 71，123



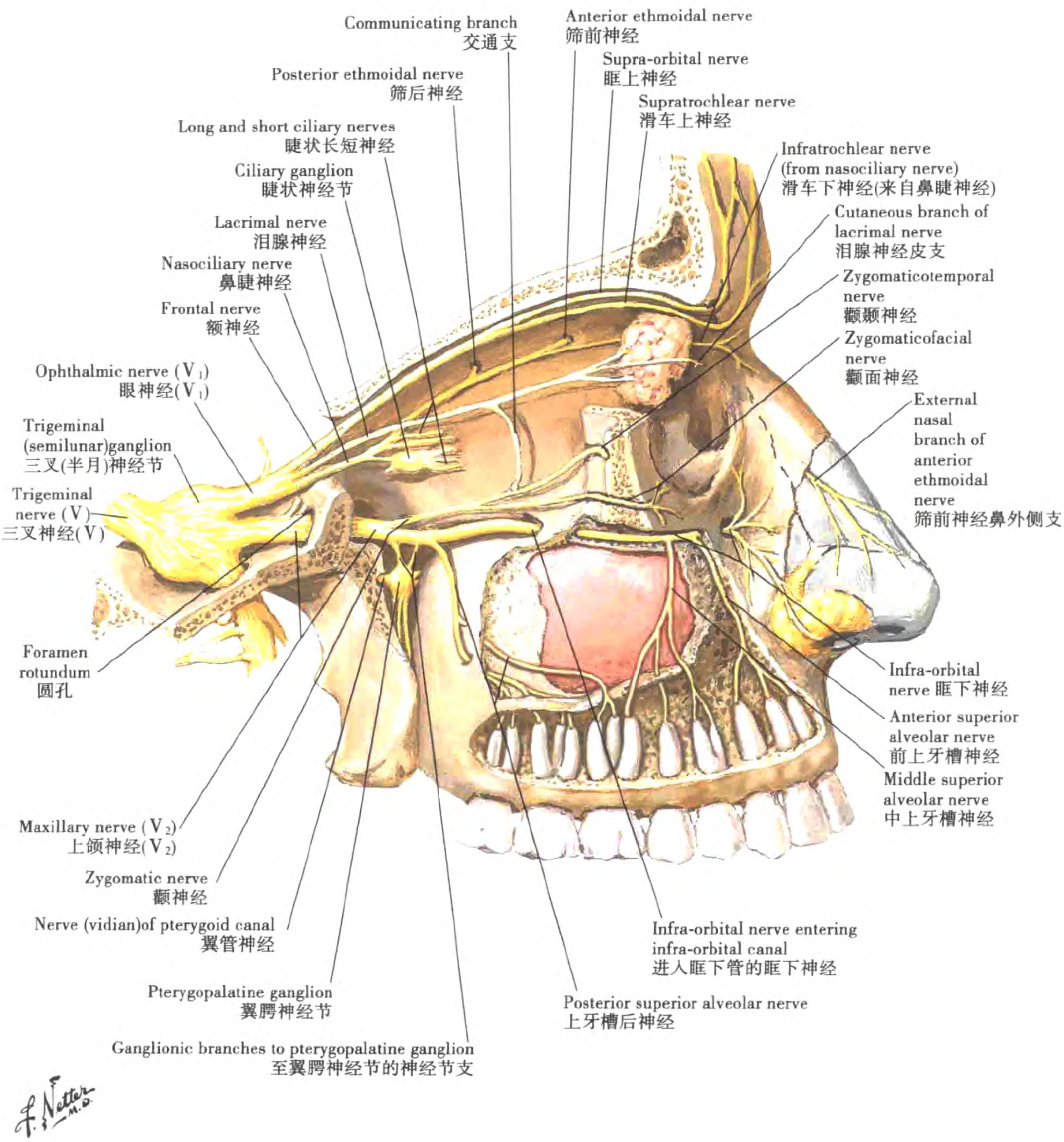


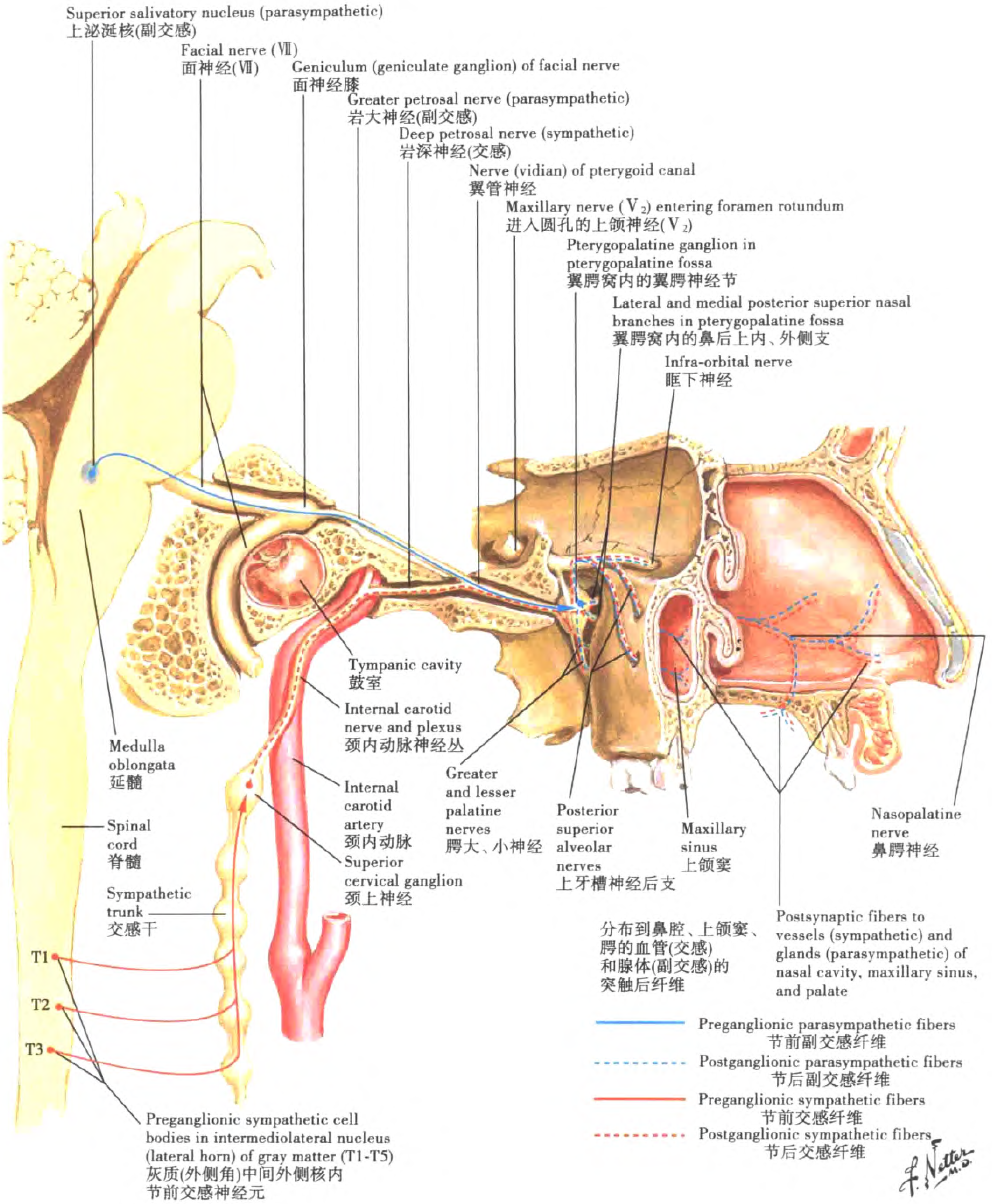

前支 Anterior
Posterior 后支
Deep temporal arteries and nerves 颞深动脉、神经
Masseteric artery and nerve 咬肌动脉、神经
Middle meningeal artery 脑膜中动脉
Auriculotemporal nerve 耳颞神经
Maxillary artery 上颌动脉
Superficial temporal artery 颞浅动脉
Posterior auricular artery 耳后动脉
Facial nerve 面神经
Inferior alveolar artery and nerve 下牙槽动脉和神经
Sphenomandibular ligament 蝶下颌韧带
Mylohyoid nerve to mylohyoid artery 下颌舌骨肌神经和下牙槽动脉分支
Digastric muscle (posterior belly) 二腹肌(后腹)
Stylohyoid muscle 茎突舌骨肌
External carotid artery 颈外动脉
Facial artery 面动脉
Lingual artery 舌动脉
Mylohyoid artery and nerve 下颌舌骨动脉和神经
Lateral pterygoid artery and muscle 翼外侧动脉、翼外肌
Supra-orbital artery 眶上动脉
Supratrochlear artery 滑车上动脉
Ophthalmic artery 眼动脉
Dorsal nasal artery 鼻背动脉
Angular artery 内眦动脉
Infra-orbital artery 眶下动脉
后支 Superior Posterior
中支 alveolar Middle
前支 arteries Anterior
上牙槽动脉
Buccal artery and nerve 颊动脉、神经
Medial pterygoid artery and muscle 翼内侧动脉、翼内肌
Pterygomandibular raphe 翼突下颌缝
Lingual nerve 舌神经
Facial artery 面动脉
Mental branch of inferior alveolar artery 下牙槽动脉颏支
Submental artery 颏下动脉

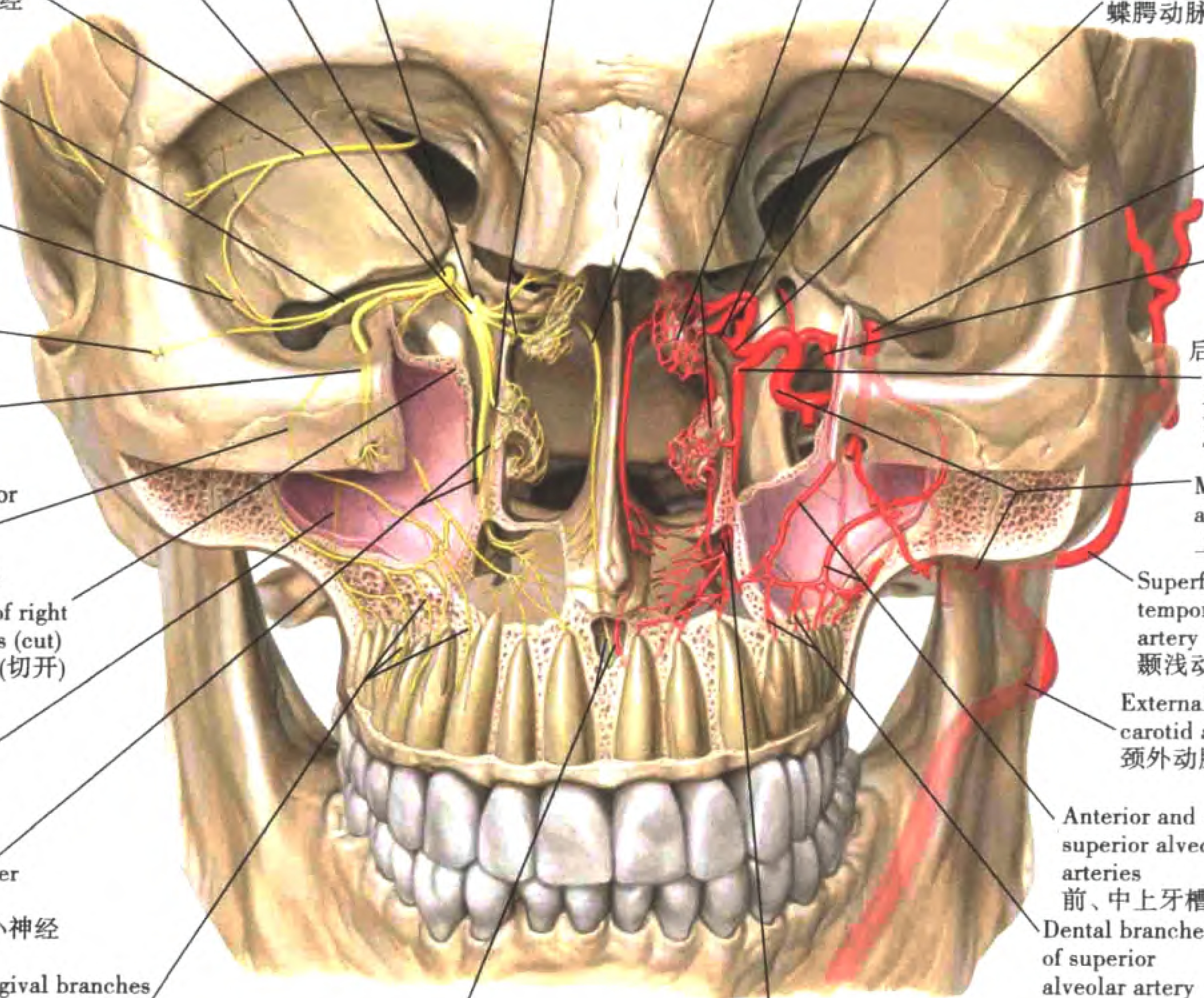

翼管动脉 Artery of pterygoid canal
Pharyngeal artery 咽动脉
Sphenopalatine foramen 蝶腭孔
前支 Anterior
Posterior 后支
Deep temporal arteries and nerves 颞深动脉和神经
Accessory meningeal artery 脑膜副动脉
Middle meningeal artery 脑膜中动脉
Anterior tympanic artery 鼓室前动脉
Deep auricular artery 耳深动脉
Auriculotemporal nerve 耳颞神经
Superficial temporal artery 颞浅动脉
Ascending pharyngeal artery 咽升动脉
Ascending palatine artery 腭升动脉
Tonsillar branches 扁桃体支
Tonsillar artery 扁桃体动脉
External carotid artery 颈外动脉
Facial artery 面动脉
Superior pharyngeal constrictor muscle 咽上缩肌
Styloglossus muscle 茎突舌肌
Sphenopalatine artery 蝶腭动脉
Posterior lateral nasal branch 鼻后外侧动脉
Infra-orbital artery 眶下动脉
Posterior superior alveolar artery 上牙槽后动脉
Sphenopalatine artery 蝶腭动脉
Posterior septal branches 鼻中隔后动脉
Greater (descending) palatine artery 位于翼腭窝内的腭大动脉
Buccal artery 颊动脉
Anastomosis in incisive canal 切牙管内的动脉吻合
Left and right greater palatine arteries 左、右腭大动脉
Left and right lesser palatine arteries 左、右腭小动脉
Pterygoid arteries 翼状动脉
咬肌动脉 Masseteric artery
Inferior alveolar artery 下牙槽动脉
F. Netter M.D.

眼神经(V_1)和上颌神经(V_2)

参见图 44

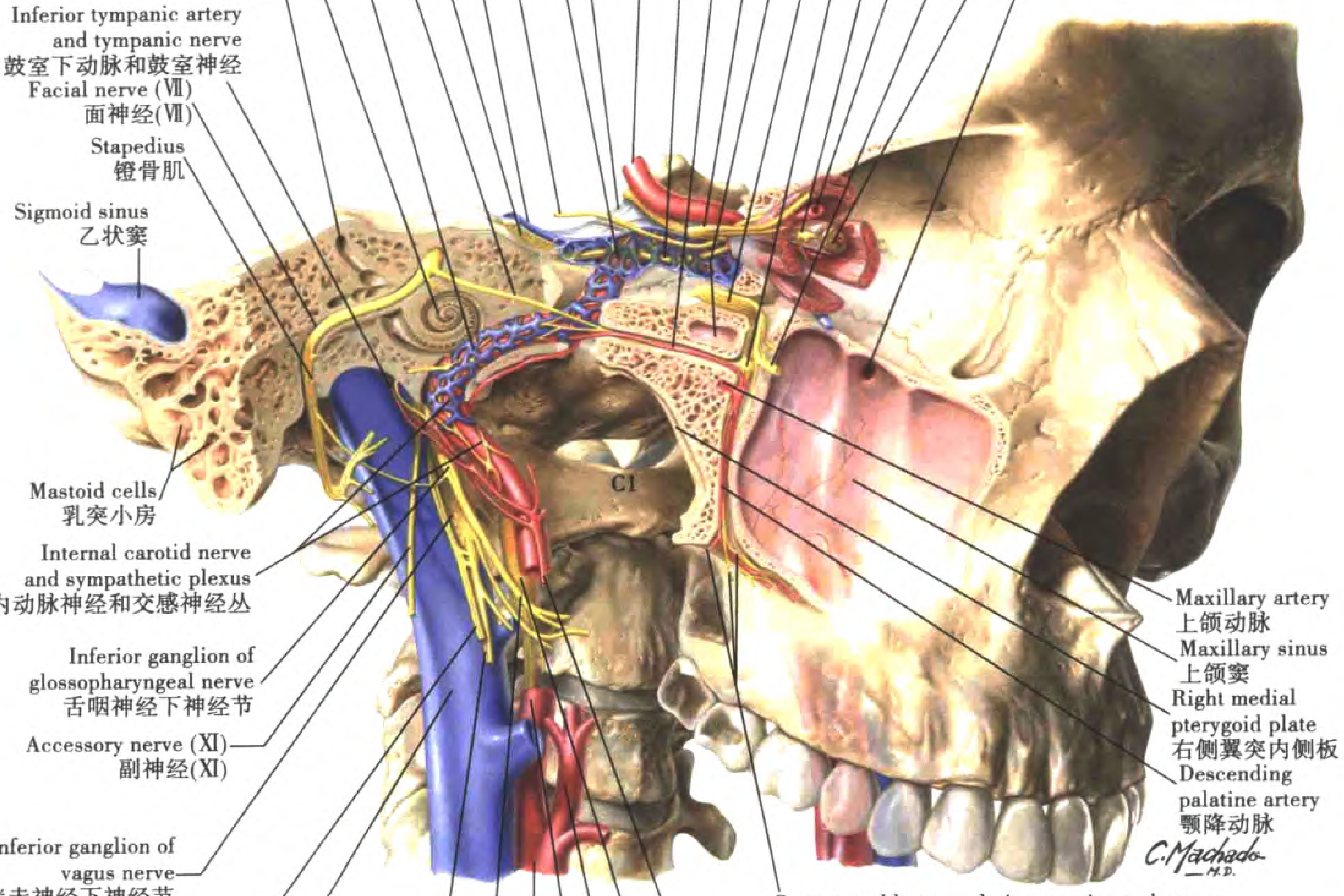


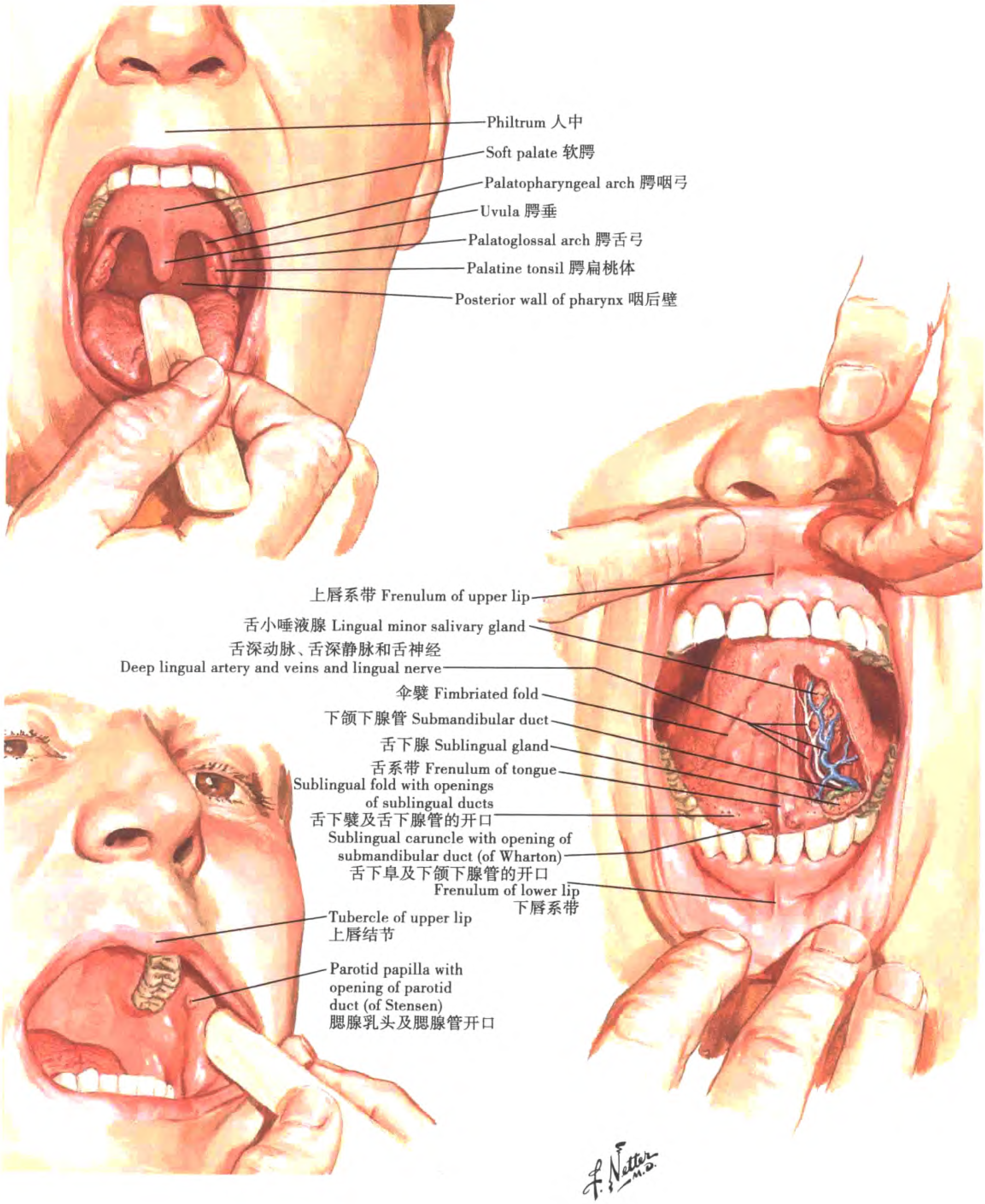

Superior salivatory nucleus (parasympathetic)
上泌涎核(副交感)
Facial nerve (Ⅶ)
面神经(Ⅶ)
Geniculum (geniculate ganglion) of facial nerve
面神经膝
Greater petrosal nerve (parasympathetic)
岩大神经(副交感)
Deep petrosal nerve (sympathetic)
岩深神经(交感)
Nerve (vidian) of pterygoid canal
翼管神经
Maxillary nerve (V2) entering foramen rotundum
进入圆孔的上颌神经(V2)
Pterygopalatine ganglion in pterygopalatine fossa
翼腭窝内的翼腭神经节
Lateral and medial posterior superior nasal branches in pterygopalatine fossa
翼腭窝内的鼻后上内、外侧支
Infra-orbital nerve
眶下神经
Tympanic cavity
鼓室
Internal carotid nerve and plexus
颈内动脉神经丛
Medulla oblongata
延髓
Internal carotid artery
颈内动脉
Greater and lesser palatine nerves
腭大、小神经
Posterior superior alveolar nerves
上牙槽神经后支
Maxillary sinus
上颌窦
Nasopalatine nerve
鼻腭神经
Spinal cord
脊髓
Superior cervical ganglion
颈上神经
Sympathetic trunk
交感干
T1
T2
T3
Postsynaptic fibers to vessels (sympathetic) and glands (parasympathetic) of nasal cavity, maxillary sinus, and palate
分布到鼻腔、上颌窦、腭的血管(交感)和腺体(副交感)的突触后纤维
Preganglionic sympathetic cell bodies in intermediolateral nucleus (lateral horn) of gray matter (T1-T5)
灰质(外侧角)中间外侧核内节前交感神经元
Preganglionic parasympathetic fibers
节前副交感纤维
Postganglionic parasympathetic fibers
节后副交感纤维
Preganglionic sympathetic fibers
节前交感纤维
Postganglionic sympathetic fibers
节后交感纤维
F. Netter M.D.

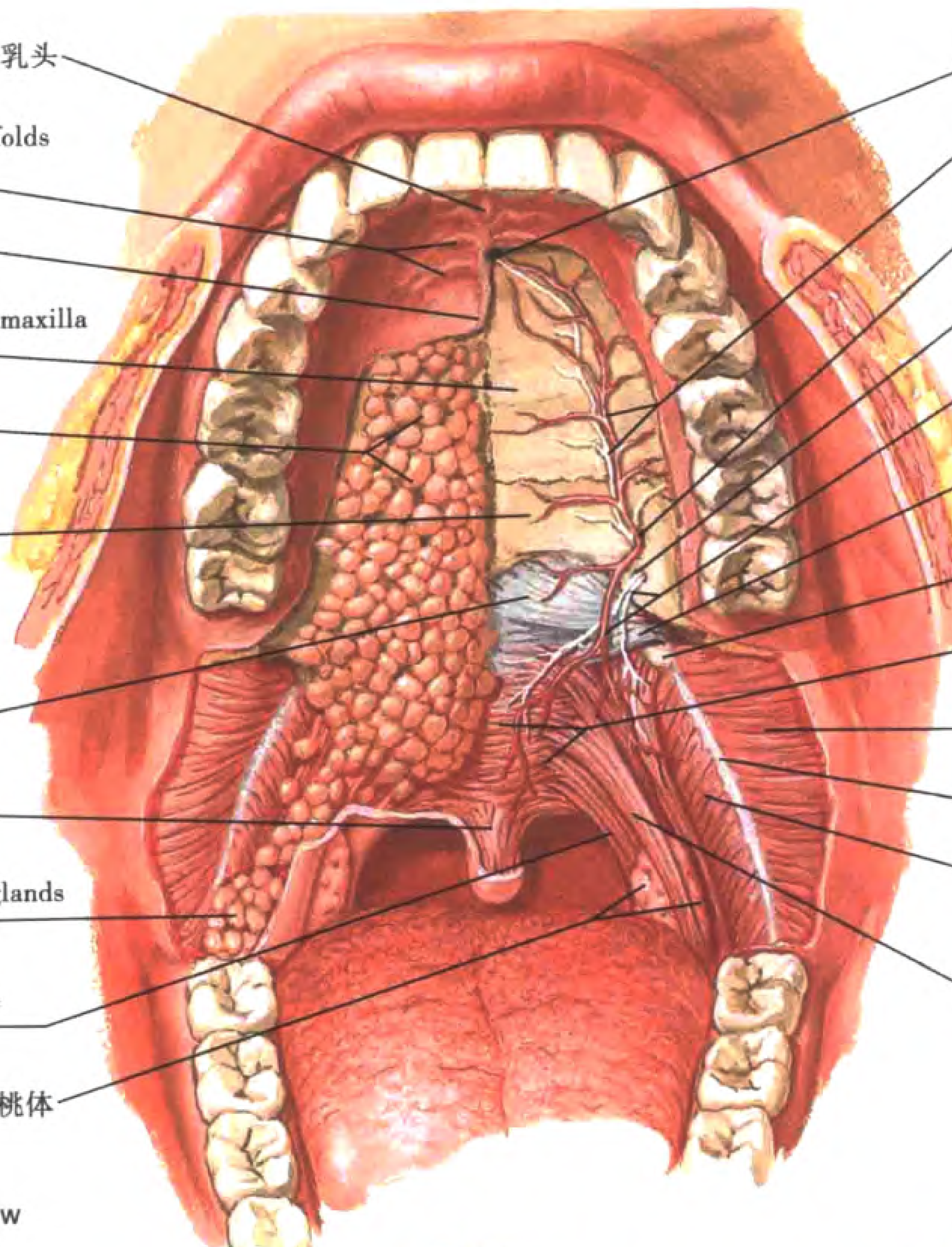




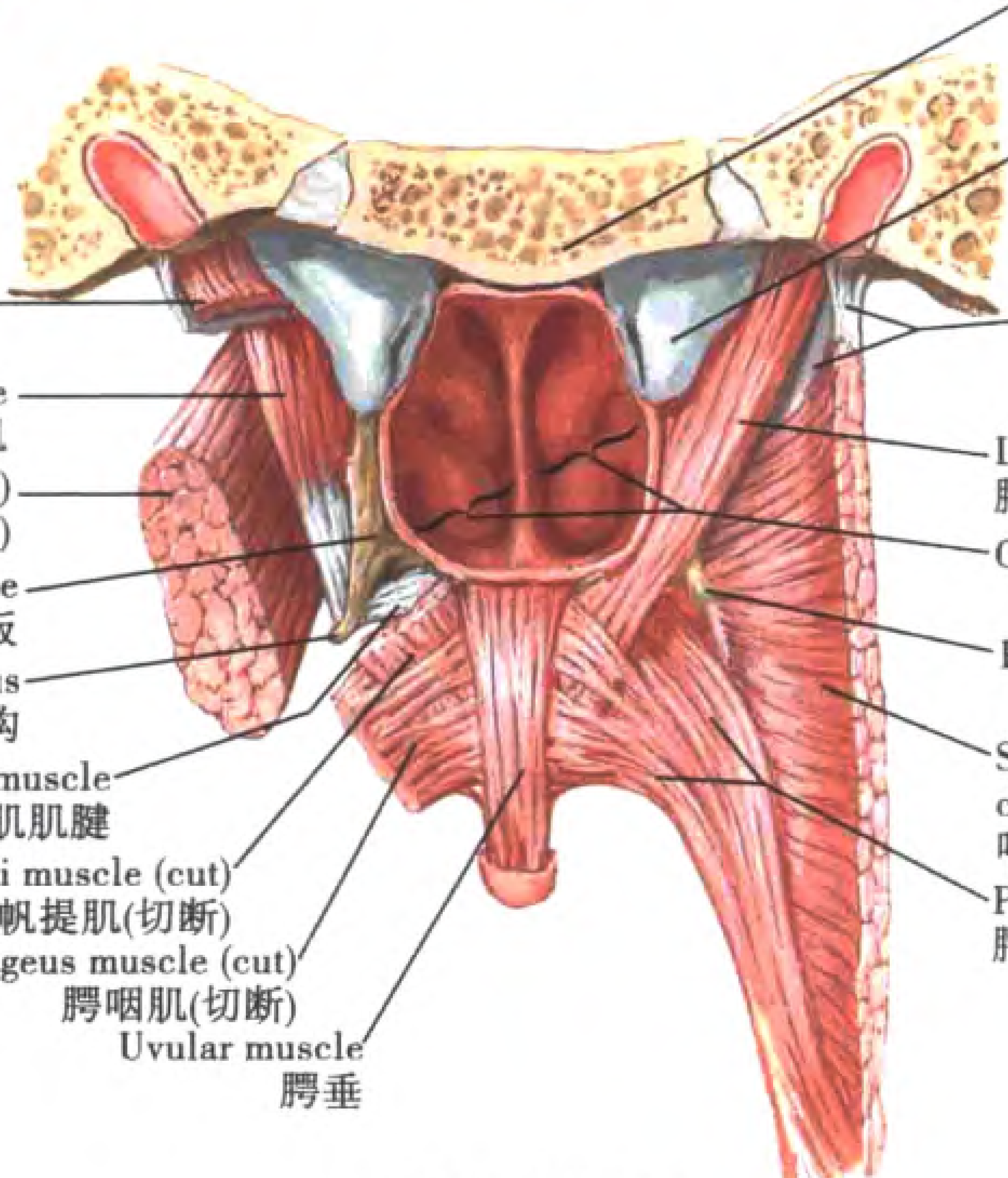
Anterior perspective of fossa with lower facial skeleton removed
下部面颅移除后翼腭窝前面观


眼神经(Ⅲ) Oculomotor nerve (Ⅲ)
颈内动脉(海绵窦部) Internal carotid artery (cavernous part)
滑车神经(Ⅳ) Trochlear nerve (Ⅳ)
岩上窦 Superior petrosal sinus
三叉神经(Ⅴ) Trigeminal nerve (Ⅴ)
岩大神经 Greater petrosal nerve
Internal carotid artery (petrosal part) and venous plexus
颈内动脉(岩部)和静脉丛
Cochlea
耳蜗
Anterior semicircular canal
前半规管
Inferior tympanic artery and tympanic nerve
鼓室下动脉和鼓室神经
Facial nerve (Ⅶ)
面神经(Ⅶ)
Stapedius
镫骨肌
Sigmoid sinus
乙状窦
Mastoid cells
乳突小房
Internal carotid nerve and sympathetic plexus
颈内动脉神经和交感神经丛
Inferior ganglion of glossopharyngeal nerve
舌咽神经下神经节
Accessory nerve (Ⅺ)
副神经(Ⅺ)
Inferior ganglion of vagus nerve
迷走神经下神经节
Hypoglossal nerve (Ⅻ)
舌下神经(Ⅻ)
Internal jugular vein
颈内静脉
Vagus nerve (Ⅹ)
迷走神经(Ⅹ)
Glossopharyngeal nerve (Ⅸ)
舌咽神经(Ⅸ)
Common carotid artery
颈总动脉
Internal carotid artery (cerebral part) 颈内动脉(脑部)
Abducent nerve (Ⅵ) 展神经(Ⅵ)
Artery and nerve of pterygoid canal 翼管动脉和神经
Ophthalmic nerve 眼神经
Sphenoidal sinus 蝶窦
Maxillary nerve 上颌神经
Pterygopalatine ganglion 翼腭神经节
Ciliary ganglion 睫状神经节
Ophthalmic artery 眼动脉
Infra-orbital nerve 眶下神经
Optic nerve (Ⅱ) 视神经(Ⅱ)
Maxillary ostium 上颌孔
C1
Maxillary artery
上颌动脉
Maxillary sinus
上颌窦
Right medial pterygoid plate
右侧翼突内侧板
Descending palatine artery
腭降动脉
C. Machado M.D.
Greater and lesser palatine arteries and nerves
腭大小动脉和神经
Ascending pharyngeal artery
咽升动脉
Superior cervical ganglion
颈上神经节
External carotid artery
颈外动脉
Internal carotid artery
颈内动脉


Philtrum 人中
Soft palate 软腭
Palatopharyngeal arch 腭咽弓
Uvula 腭垂
Palatoglossal arch 腭舌弓
Palatine tonsil 腭扁桃体
Posterior wall of pharynx 咽后壁
上唇系带 Frenulum of upper lip
舌小唾液腺 Lingual minor salivary gland
舌深动脉、舌深静脉和舌神经
Deep lingual artery and veins and lingual nerve
伞襞 Fimbriated fold
下颌下腺管 Submandibular duct
舌下腺 Sublingual gland
舌系带 Frenulum of tongue
Sublingual fold with openings of sublingual ducts
舌下襞及舌下腺管的开口
Sublingual caruncle with opening of submandibular duct (of Wharton)
舌下阜及下颌下腺管的开口
Frenulum of lower lip
下唇系带
Tubercle of upper lip
上唇结节
Parotid papilla with opening of parotid duct (of Stensen)
腮腺乳头及腮腺管开口
F. Netter M.D.



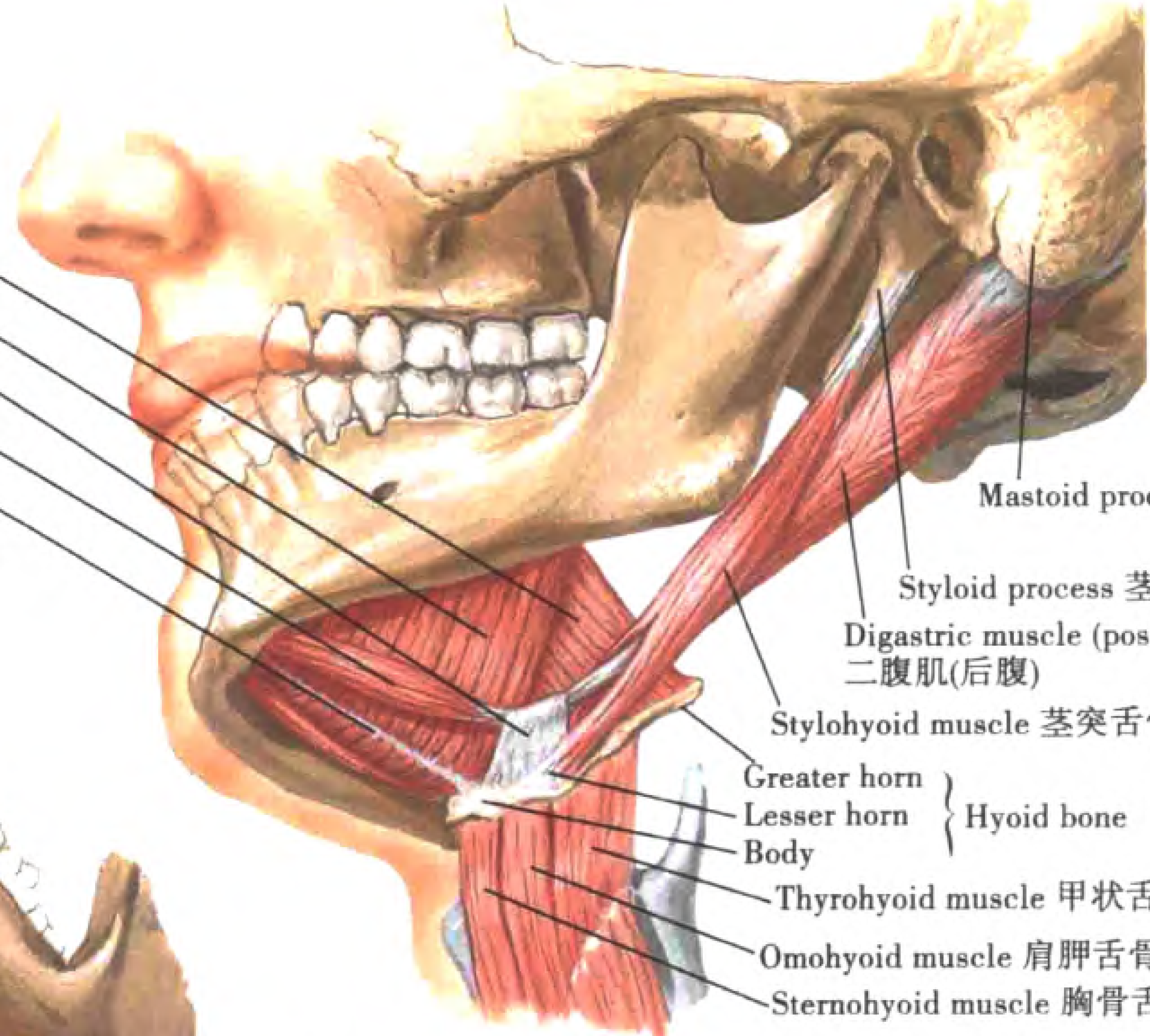
Anterior view
前面观

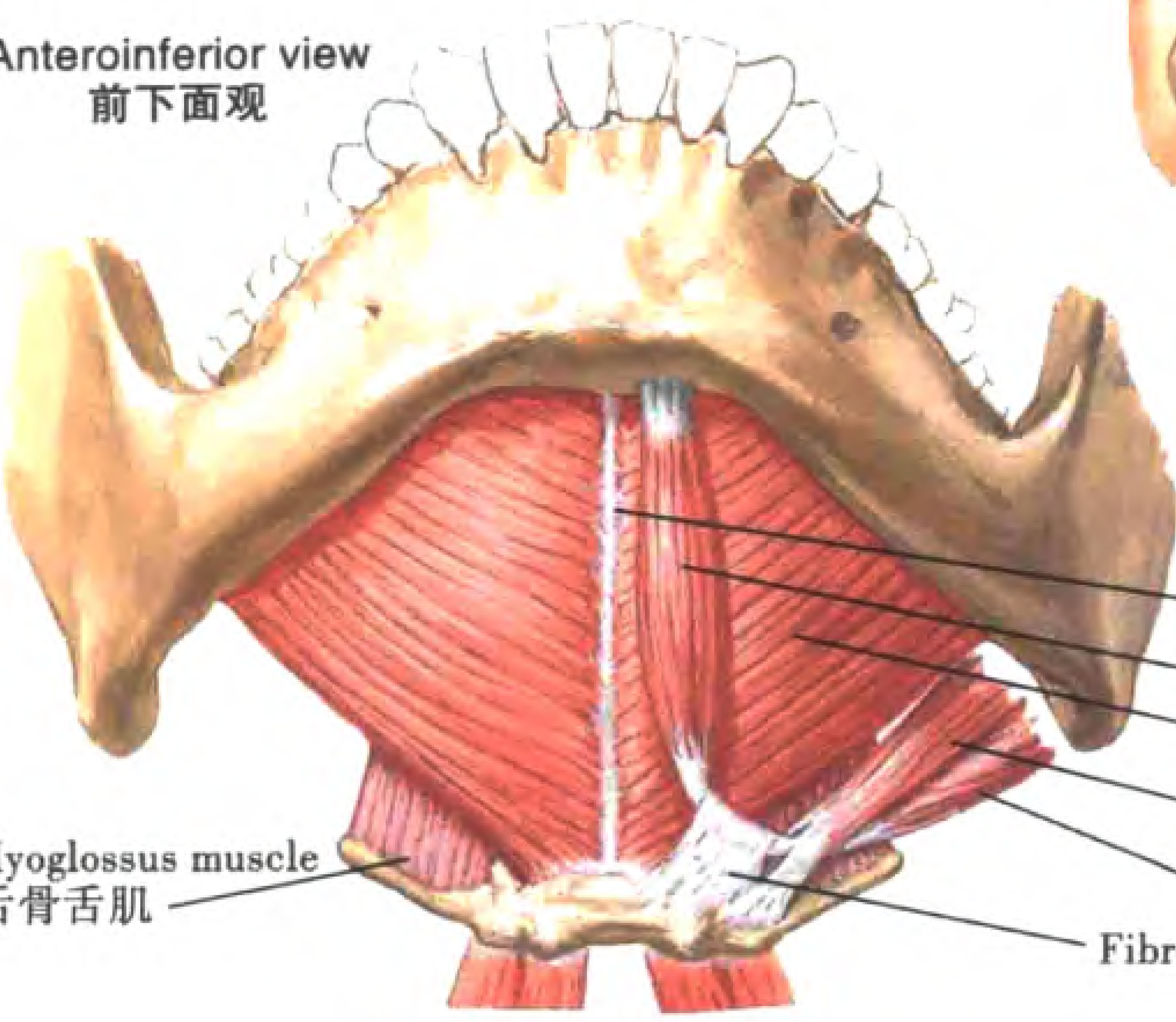


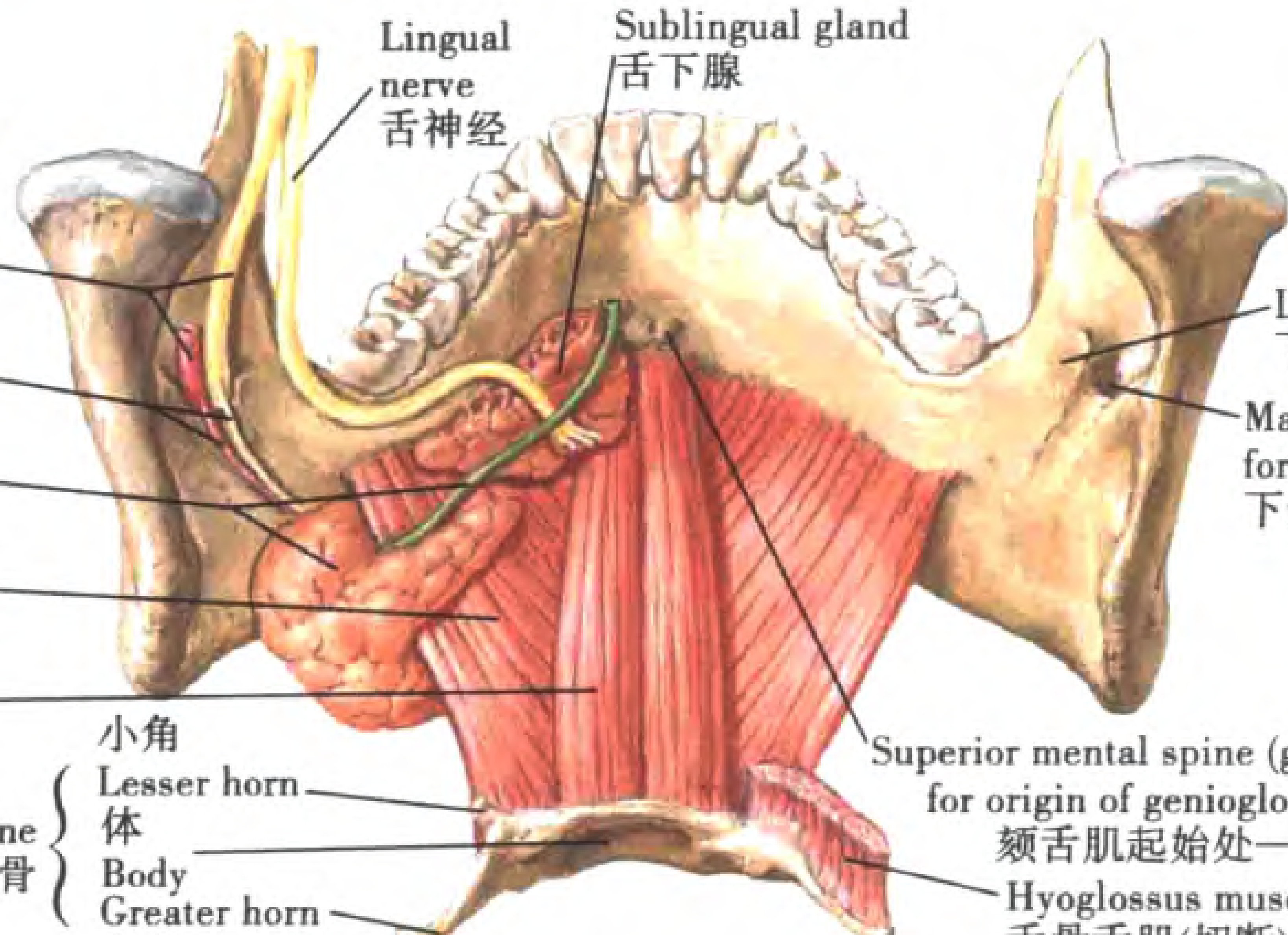
Posterior view
后面观

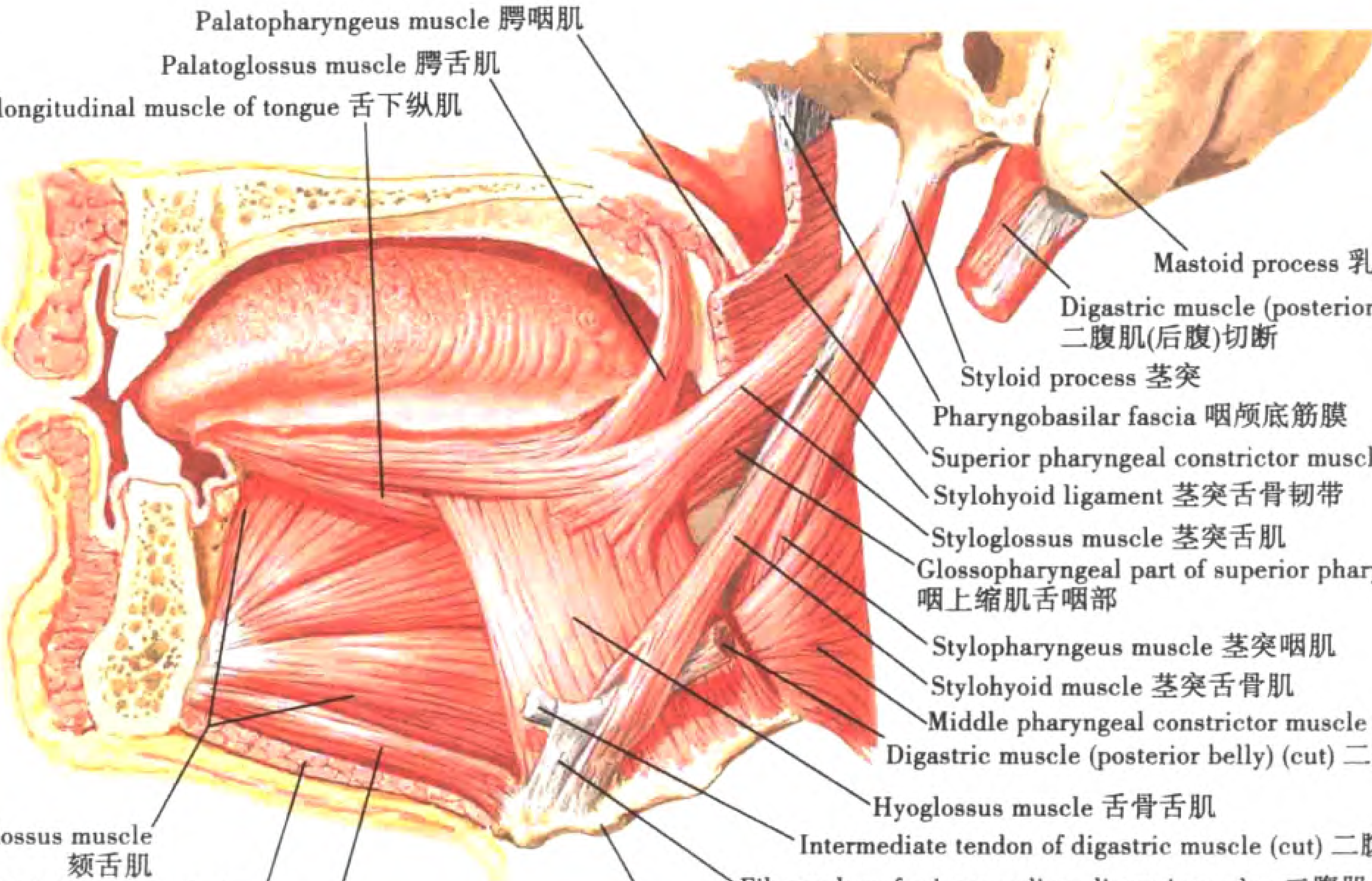
口腔底

参见图 28

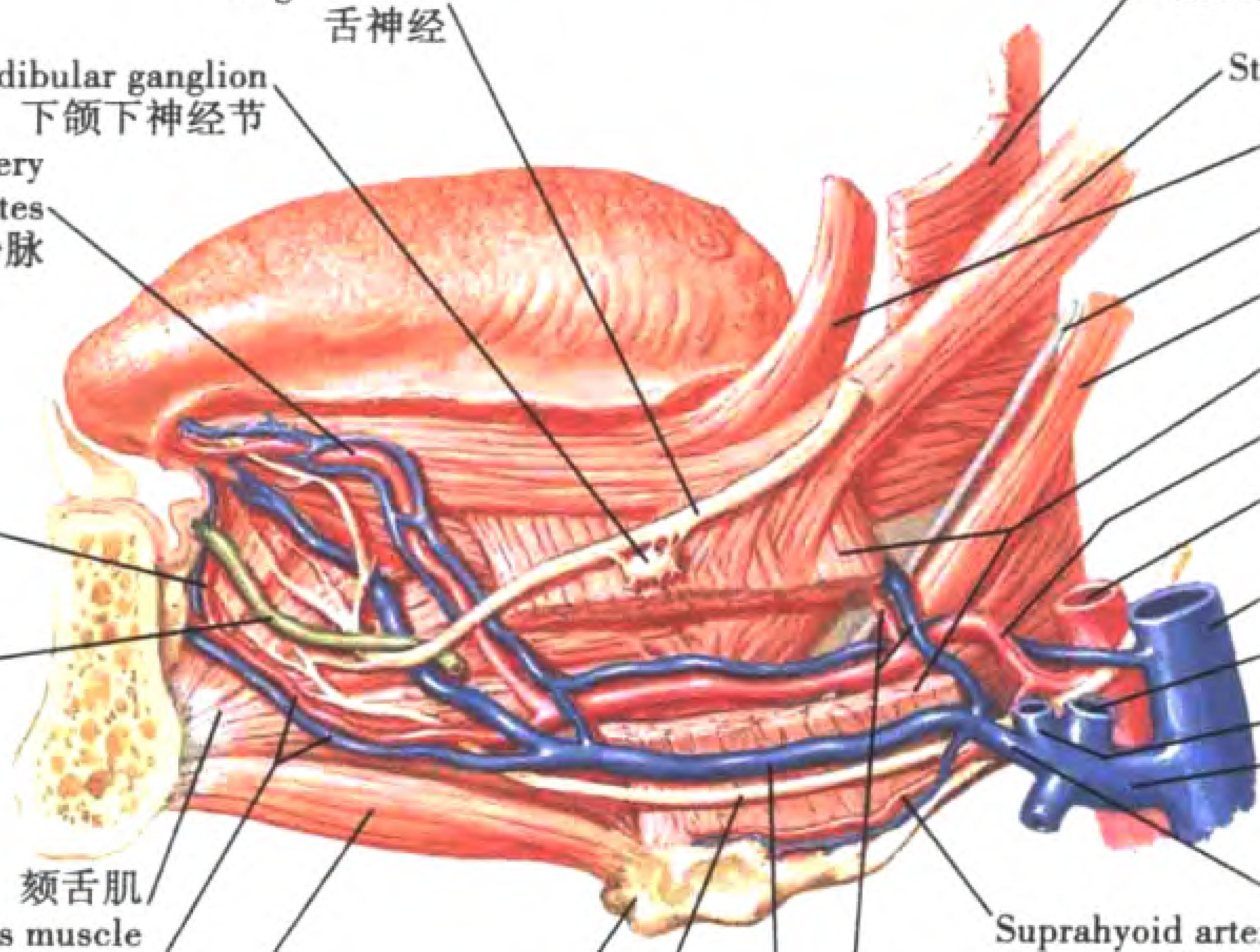

Lateral, slightly inferior view
下外侧面观
Hyoglossus muscle 舌骨舌肌
Mylohyoid muscle 下颌舌骨肌
Fibrous loop for intermediate digastric tendon
二腹肌中间腱纤维袢
Digastric muscle (anterior belly)
二腹肌(前腹)
Median raphe between mylohyoid muscles
下颌舌骨肌正中缝
Mastoid process乳突
Styloid process 茎突
Digastric muscle (posterior belly)
二腹肌(后腹)
Stylohyoid muscle 茎突舌骨肌
Greater horn 大角
Lesser horn 小角
Body 体
Hyoid bone 舌骨
Thyrohyoid muscle 甲状舌骨肌
Omohyoid muscle 肩胛舌骨肌
Sternohyoid muscle 胸骨舌骨肌

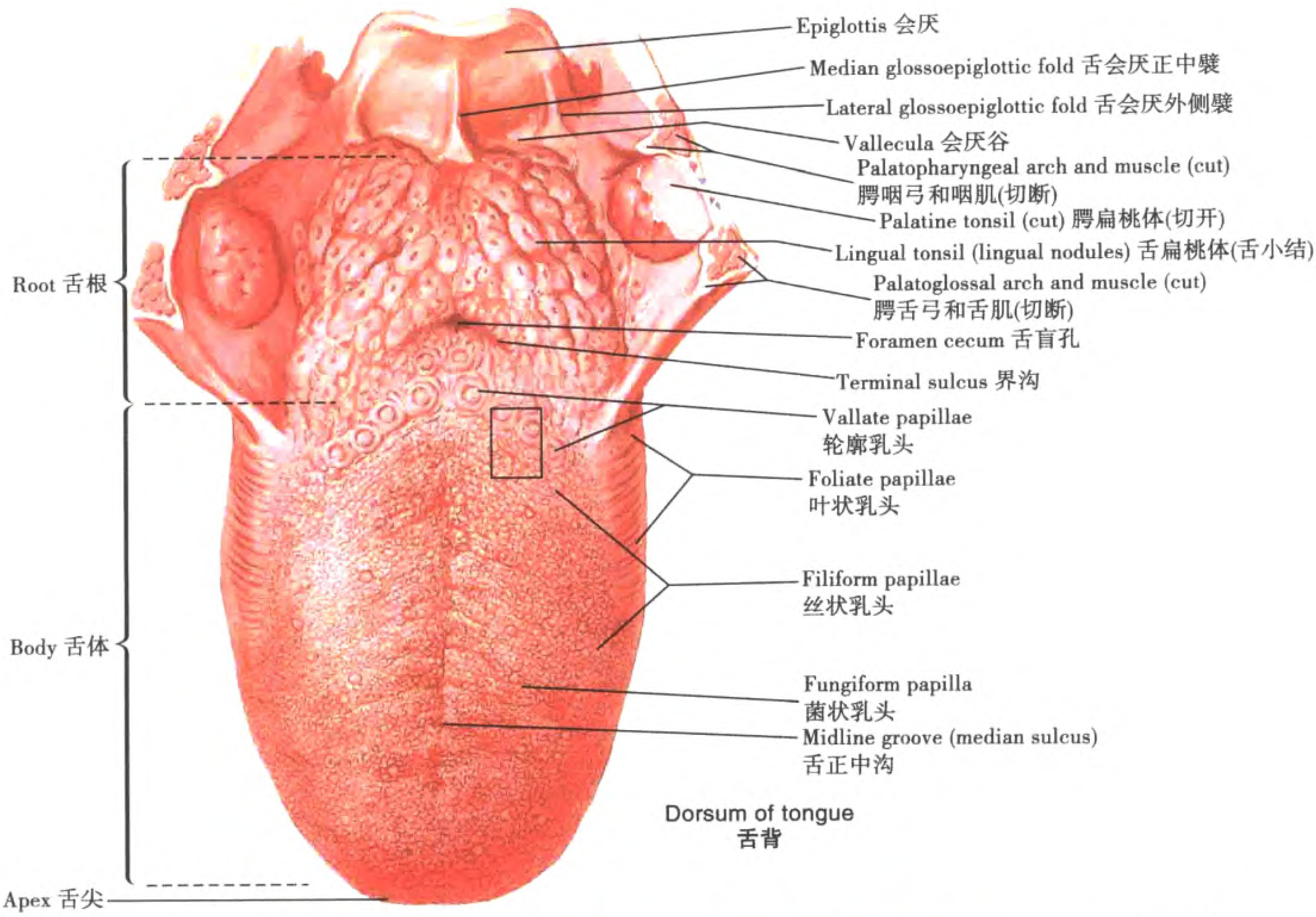

Anteroinferior view
前下面观
Median raphe between mylohyoid muscles 下颌舌骨肌正中缝
Digastric muscle (anterior belly)二腹肌(前腹)
Mylohyoid muscle 下颌舌骨肌
Stylohyoid muscle 茎突舌骨肌
Digastric muscle (posterior belly) 二腹肌(后腹)
Fibrous loop for intermediate digastric tendon 二腹肌中间腱纤维袢
Hyoglossus muscle
舌骨舌肌


Posterosuperior view
后上面观
Lingual nerve
舌神经
Sublingual gland
舌下腺
Inferior alveolar nerve and artery
下牙槽神经和动脉
Nerve to mylohyoid and artery
下颌舌骨肌神经和动脉
Submandibular gland and duct (of Wharton)
下颌下腺和下颌下腺管
Mylohyoid muscle
下颌舌骨肌
Geniohyoid muscle
颏舌骨肌
Lingula
下颌小舌
Mandibular foramen
下颌孔
Superior mental spine (genial tubercle)
for origin of genioglossus muscle
颏舌肌起始处——颏棘
Hyoglossus muscle (cut)
舌骨舌肌(切断)
Hyoid bone
舌骨
小角
Lesser horn
体
Body
Greater horn
大角

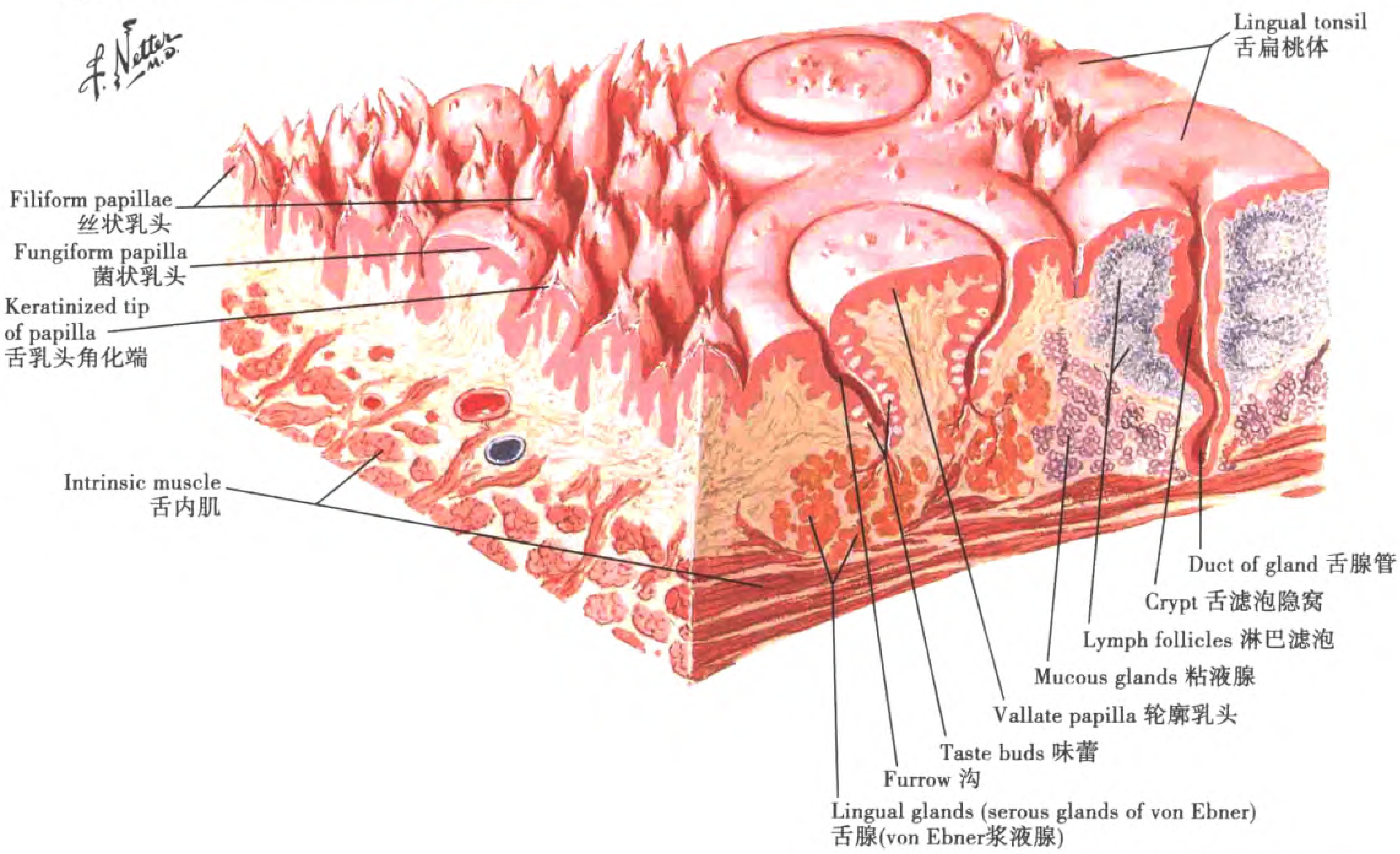


Lateral view
外侧面观

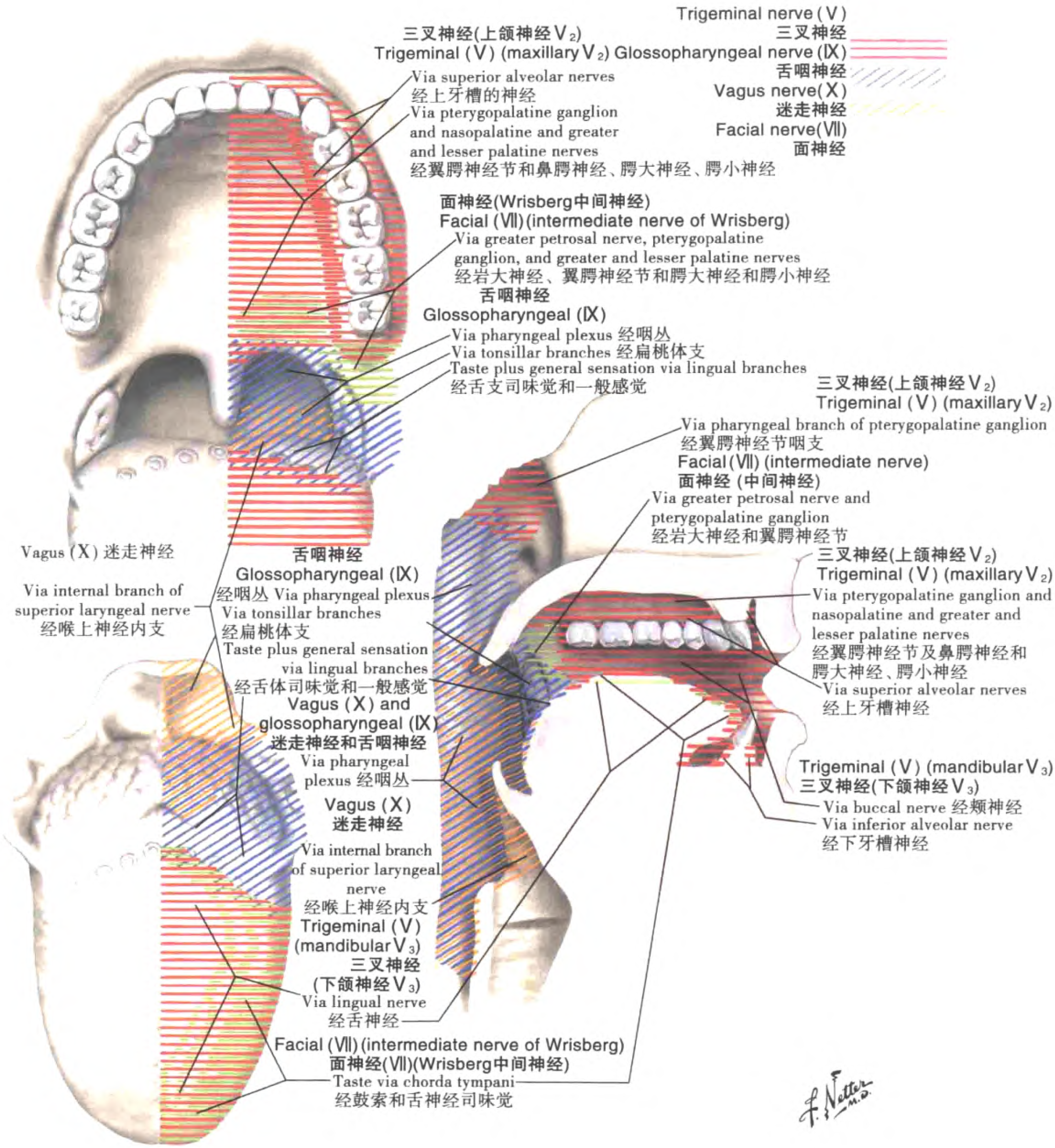




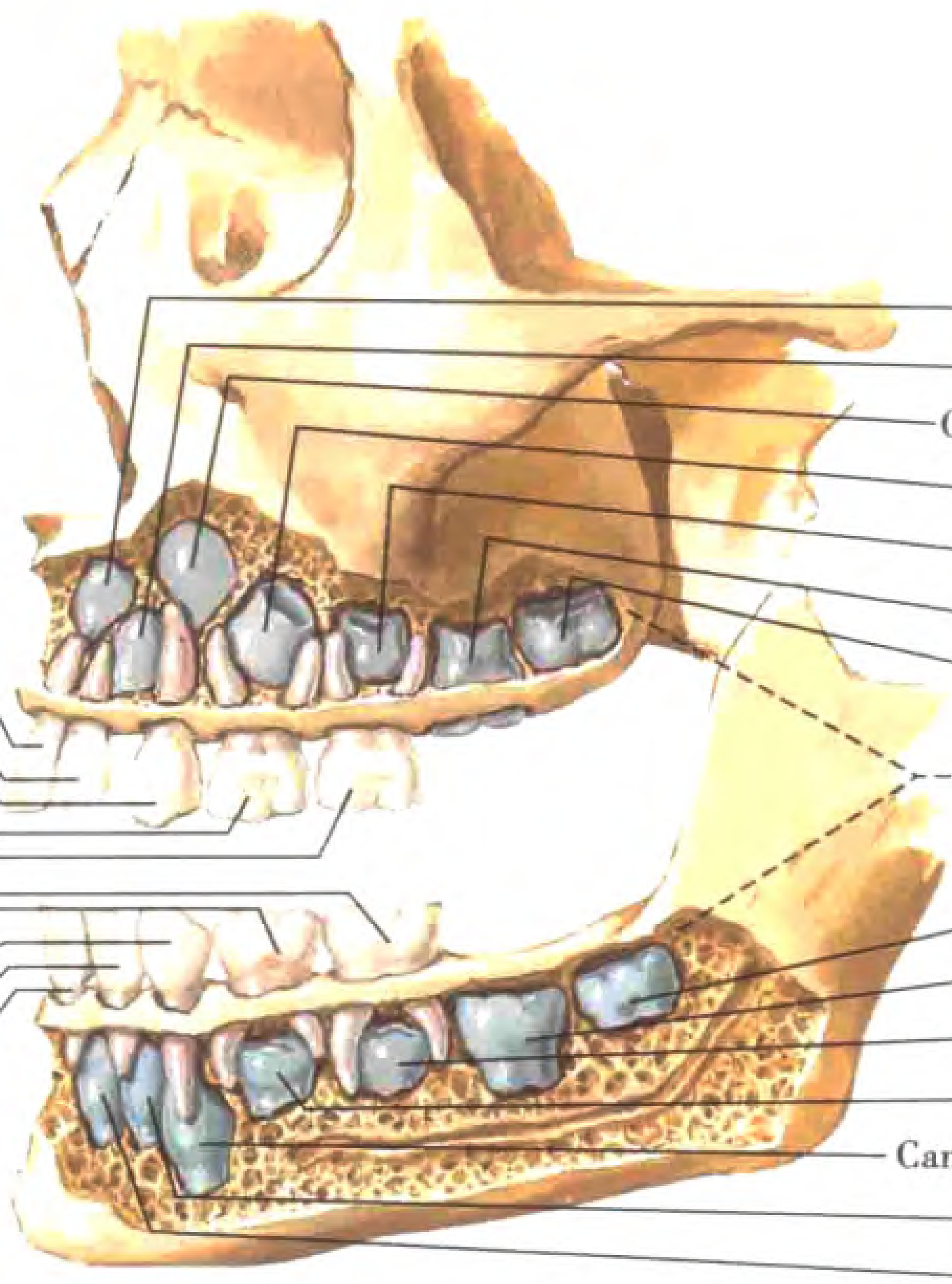
Dorsum of tongue
舌背

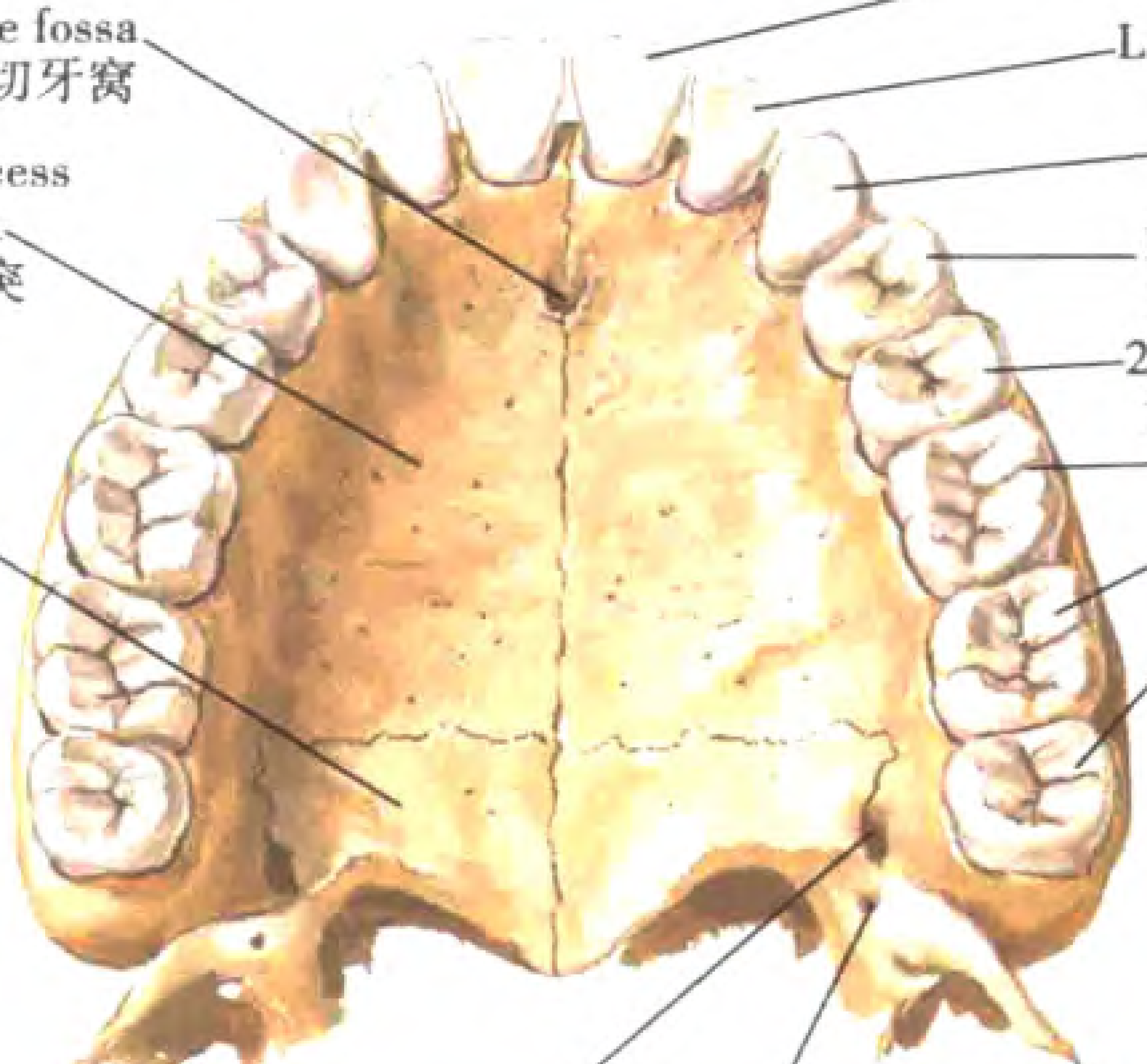


Schematic stereogram: area indicated above
立体模式图：上图所标出的区域

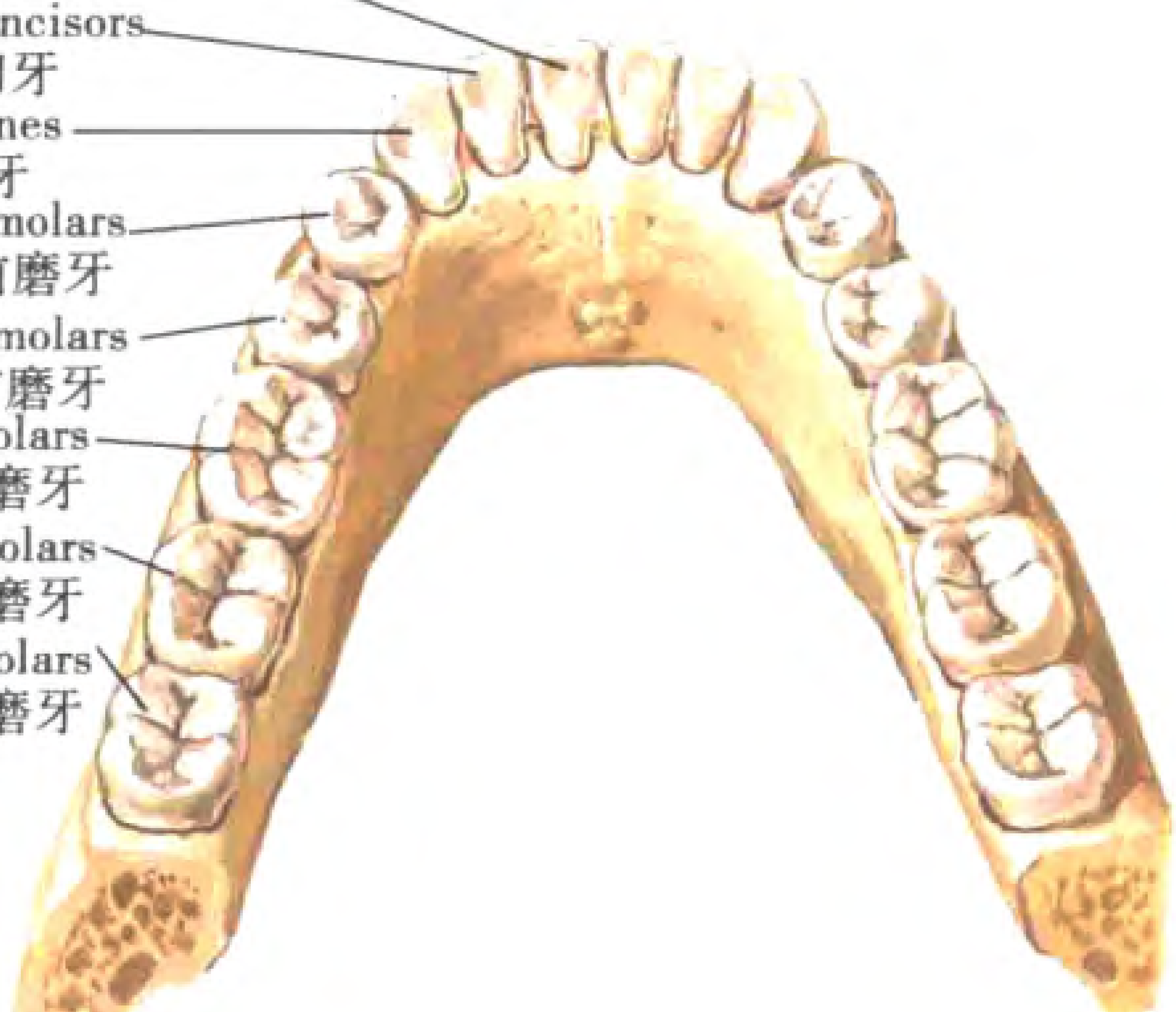

Trigeminal nerve (V)
三叉神经
Glossopharyngeal nerve (IX)
舌咽神经
Vagus nerve (X)
迷走神经
Facial nerve (VII)
面神经
三叉神经(上颌神经 V2)
Trigeminal (V) (maxillary V2)
Via superior alveolar nerves
经上牙槽的神经
Via pterygopalatine ganglion and nasopalatine and greater and lesser palatine nerves
经翼腭神经节和鼻腭神经、腭大神经、腭小神经
面神经(Wrisberg中间神经)
Facial (VII) (intermediate nerve of Wrisberg)
Via greater petrosal nerve, pterygopalatine ganglion, and greater and lesser palatine nerves
经岩大神经、翼腭神经节和腭大神经和腭小神经
舌咽神经
Glossopharyngeal (IX)
Via pharyngeal plexus 经咽丛
Via tonsillar branches 经扁桃体支
Taste plus general sensation via lingual branches
经舌支司味觉和一般感觉
三叉神经(上颌神经 V2)
Trigeminal (V) (maxillary V2)
Via pharyngeal branch of pterygopalatine ganglion
经翼腭神经节咽支
Facial (VII) (intermediate nerve)
面神经 (中间神经)
Via greater petrosal nerve and pterygopalatine ganglion
经岩大神经和翼腭神经节
三叉神经(上颌神经 V2)
Trigeminal (V) (maxillary V2)
Via pterygopalatine ganglion and nasopalatine and greater and lesser palatine nerves
经翼腭神经节及鼻腭神经和腭大神经、腭小神经
Via superior alveolar nerves
经上牙槽神经
Vagus (X) 迷走神经
Via internal branch of superior laryngeal nerve
经喉上神经内支
舌咽神经
Glossopharyngeal (IX)
经咽丛 Via pharyngeal plexus
Via tonsillar branches
经扁桃体支
Taste plus general sensation via lingual branches
经舌体司味觉和一般感觉
Vagus (X) and glossopharyngeal (IX)
迷走神经和舌咽神经
Via pharyngeal plexus 经咽丛
Vagus (X)
迷走神经
Via internal branch of superior laryngeal nerve
经喉上神经内支
Trigeminal (V) (mandibular V3)
三叉神经 (下颌神经 V3)
Via lingual nerve
经舌神经
Trigeminal (V) (mandibular V3)
三叉神经(下颌神经 V3)
Via buccal nerve 经颊神经
Via inferior alveolar nerve
经下牙槽神经
Facial (VII) (intermediate nerve of Wrisberg)
面神经(VII)(Wrisberg中间神经)
Taste via chorda tympani
经鼓索和舌神经司味觉
F. Netter M.D.

参见图 40,41,57

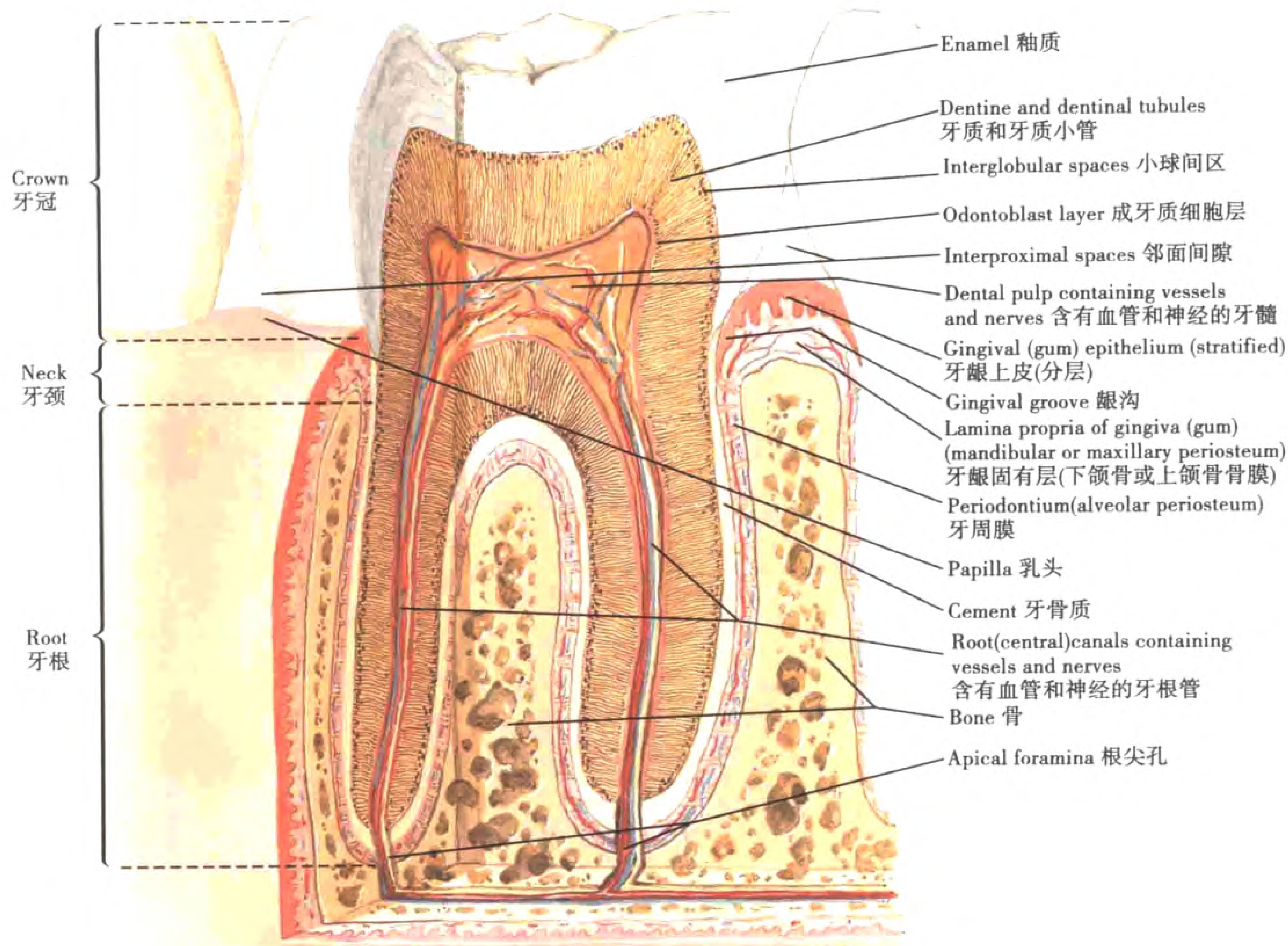


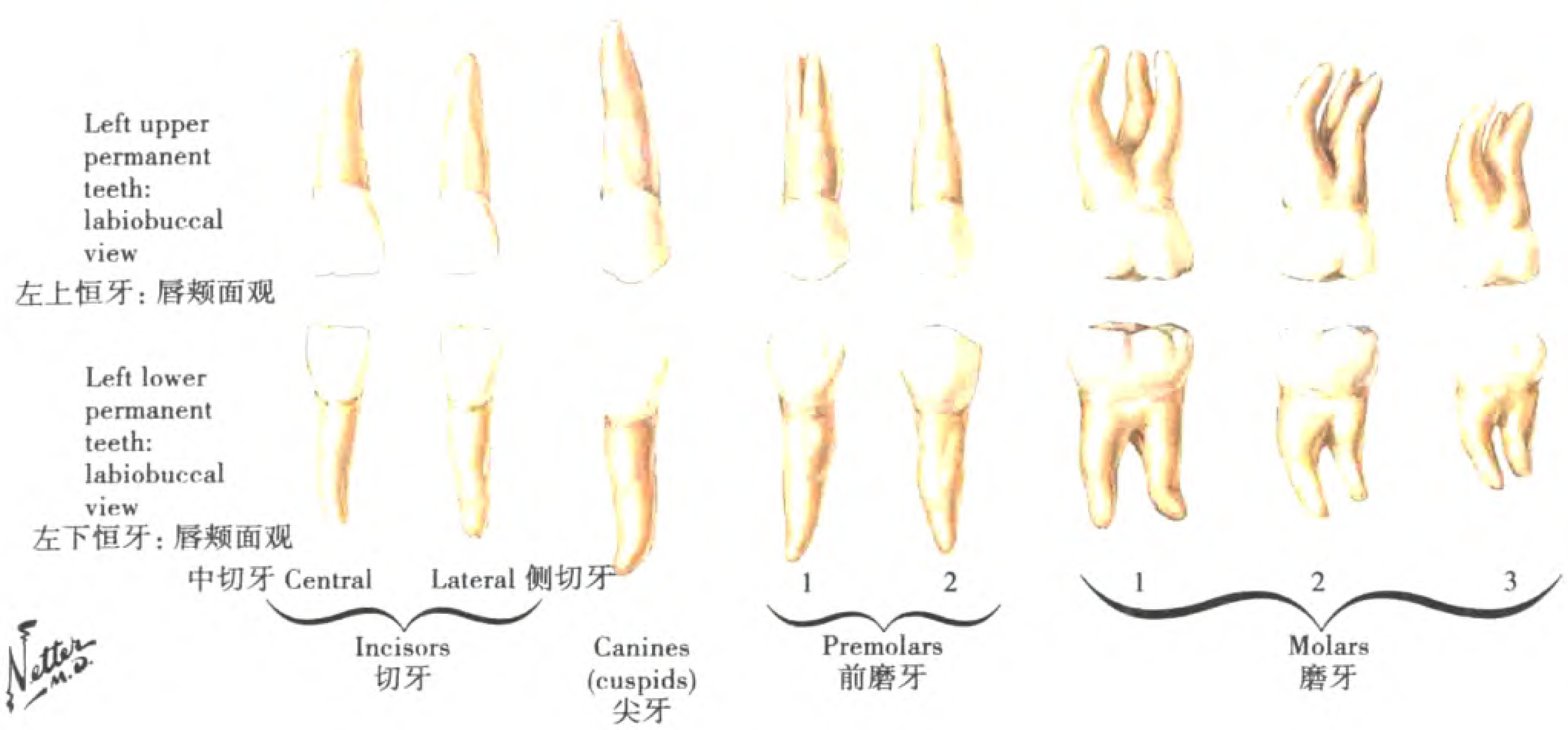


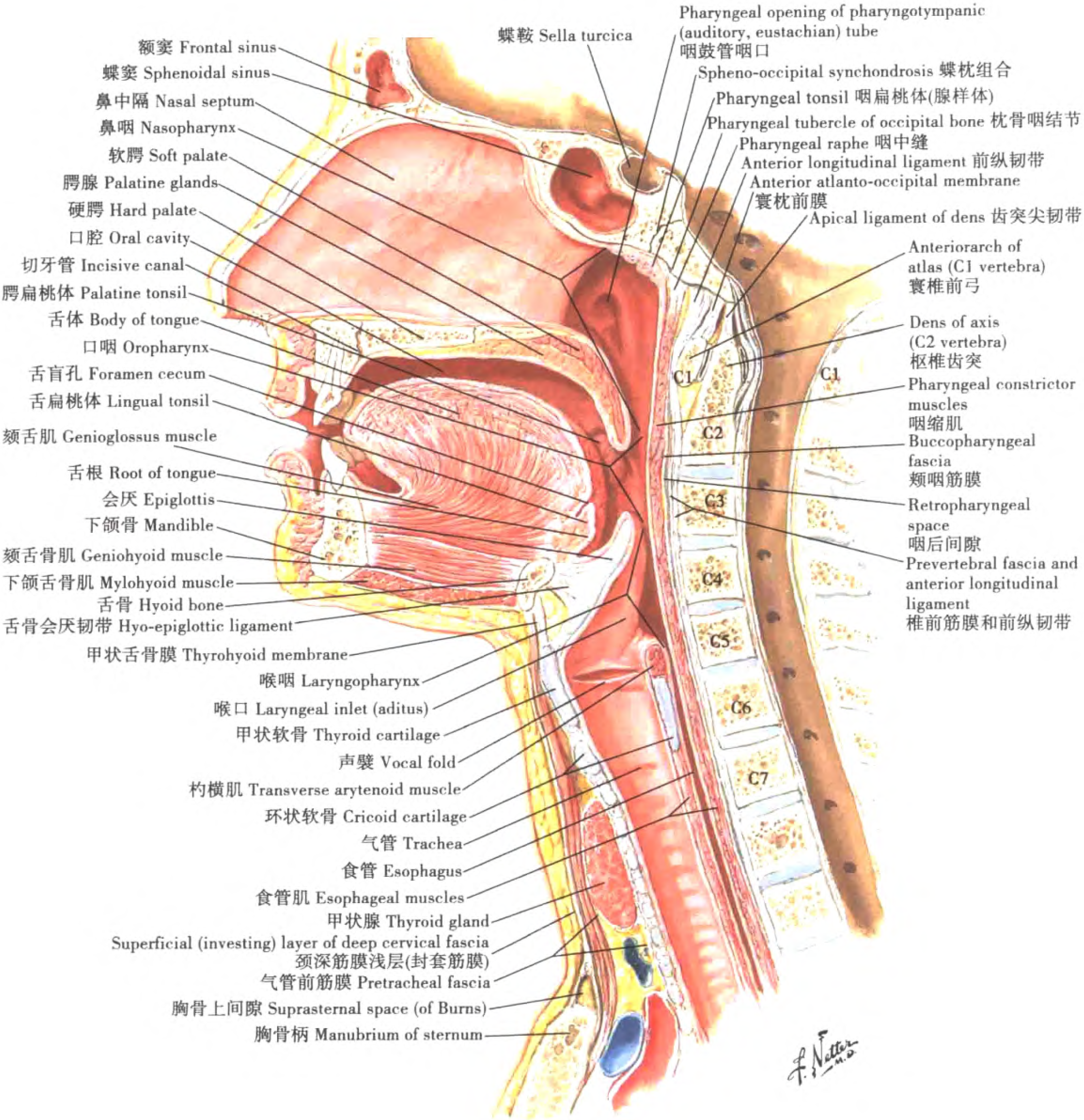
Upper permanent teeth
上颌恒牙



Lower permanent teeth
下颌恒牙


Crown
牙冠
Neck
牙颈
Root
牙根
Enamel 釉质
Dentine and dentinal tubules
牙质和牙质小管
Interglobular spaces 小球间区
Odontoblast layer 成牙质细胞层
Interproximal spaces 邻面间隙
Dental pulp containing vessels
and nerves 含有血管和神经的牙髓
Gingival (gum) epithelium (stratified)
牙龈上皮(分层)
Gingival groove 龈沟
Lamina propria of gingiva (gum)
(mandibular or maxillary periosteum)
牙龈固有层(下颌骨或上颌骨骨膜)
Periodontium(alveolar periosteum)
牙周膜
Papilla 乳头
Cement 牙骨质
Root(central)canals containing
vessels and nerves
含有血管和神经的牙根管
Bone 骨
Apical foramina 根尖孔


Left upper
permanent
teeth:
labiobuccal
view
左上恒牙: 唇颊面观
Left lower
permanent
teeth:
labiobuccal
view
左下恒牙: 唇颊面观
中切牙 Central
Lateral 侧切牙
1
2
1
2
3
Incisors
切牙
Canines
(cuspids)
尖牙
Premolars
前磨牙
Molars
磨牙
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额窦 Frontal sinus
蝶窦 Sphenoidal sinus
鼻中隔 Nasal septum
鼻咽 Nasopharynx
软腭 Soft palate
腭腺 Palatine glands
硬腭 Hard palate
口腔 Oral cavity
切牙管 Incisive canal
腭扁桃体 Palatine tonsil
舌体 Body of tongue
口咽 Oropharynx
舌盲孔 Foramen cecum
舌扁桃体 Lingual tonsil
颏舌肌 Genioglossus muscle
舌根 Root of tongue
会厌 Epiglottis
下颌骨 Mandible
颏舌骨肌 Geniohyoid muscle
下颌舌骨肌 Mylohyoid muscle
舌骨 Hyoid bone
舌骨会厌韧带 Hyo-epiglottic ligament
甲状舌骨膜 Thyrohyoid membrane
喉咽 Laryngopharynx
喉口 Laryngeal inlet (aditus)
甲状软骨 Thyroid cartilage
声襞 Vocal fold
杓横肌 Transverse arytenoid muscle
环状软骨 Cricoid cartilage
气管 Trachea
食管 Esophagus
食管肌 Esophageal muscles
甲状腺 Thyroid gland
Superficial (investing) layer of deep cervical fascia
颈深筋膜浅层(封套筋膜)
气管前筋膜 Pretracheal fascia
胸骨上间隙 Suprasternal space (of Burns)
胸骨柄 Manubrium of sternum
蝶鞍 Sella turcica
Pharyngeal opening of pharyngotympanic
(auditory, eustachian) tube
咽鼓管咽口
Spheno-occipital synchondrosis 蝶枕组合
Pharyngeal tonsil 咽扁桃体(腺样体)
Pharyngeal tubercle of occipital bone 枕骨咽结节
Pharyngeal raphe 咽中缝
Anterior longitudinal ligament 前纵韧带
Anterior atlanto-occipital membrane
寰枕前膜
Apical ligament of dens 齿突尖韧带
Anteriorarch of
atlas (C1 vertebra)
寰椎前弓
Dens of axis
(C2 vertebra)
枢椎齿突
Pharyngeal constrictor
muscles
咽缩肌
Buccopharyngeal
fascia
颊咽筋膜
Retropharyngeal
space
咽后间隙
Prevertebral fascia and
anterior longitudinal
ligament
椎前筋膜和前纵韧带
C1
C1
C2
C3
C4
C5
C6
C7

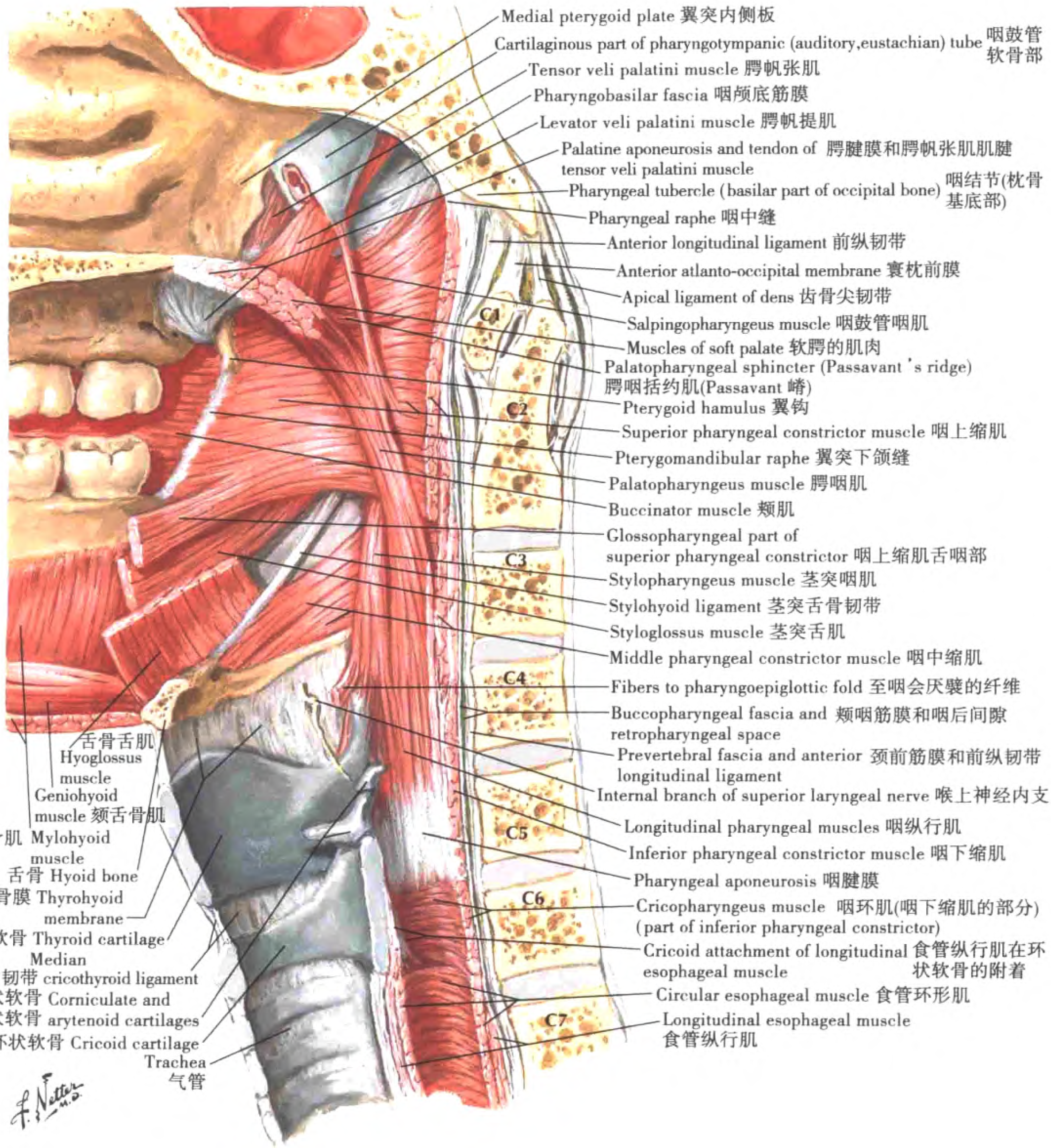
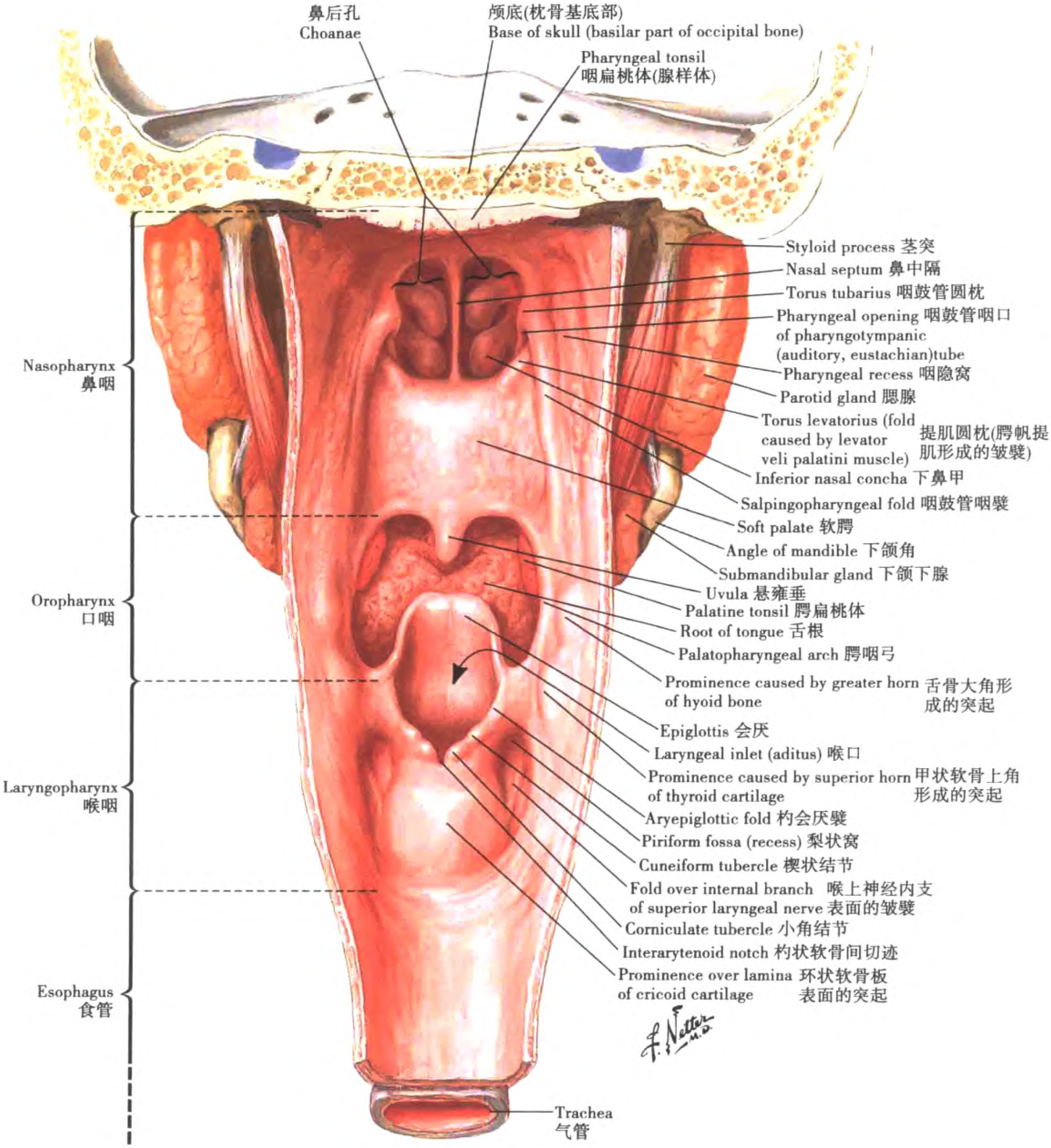
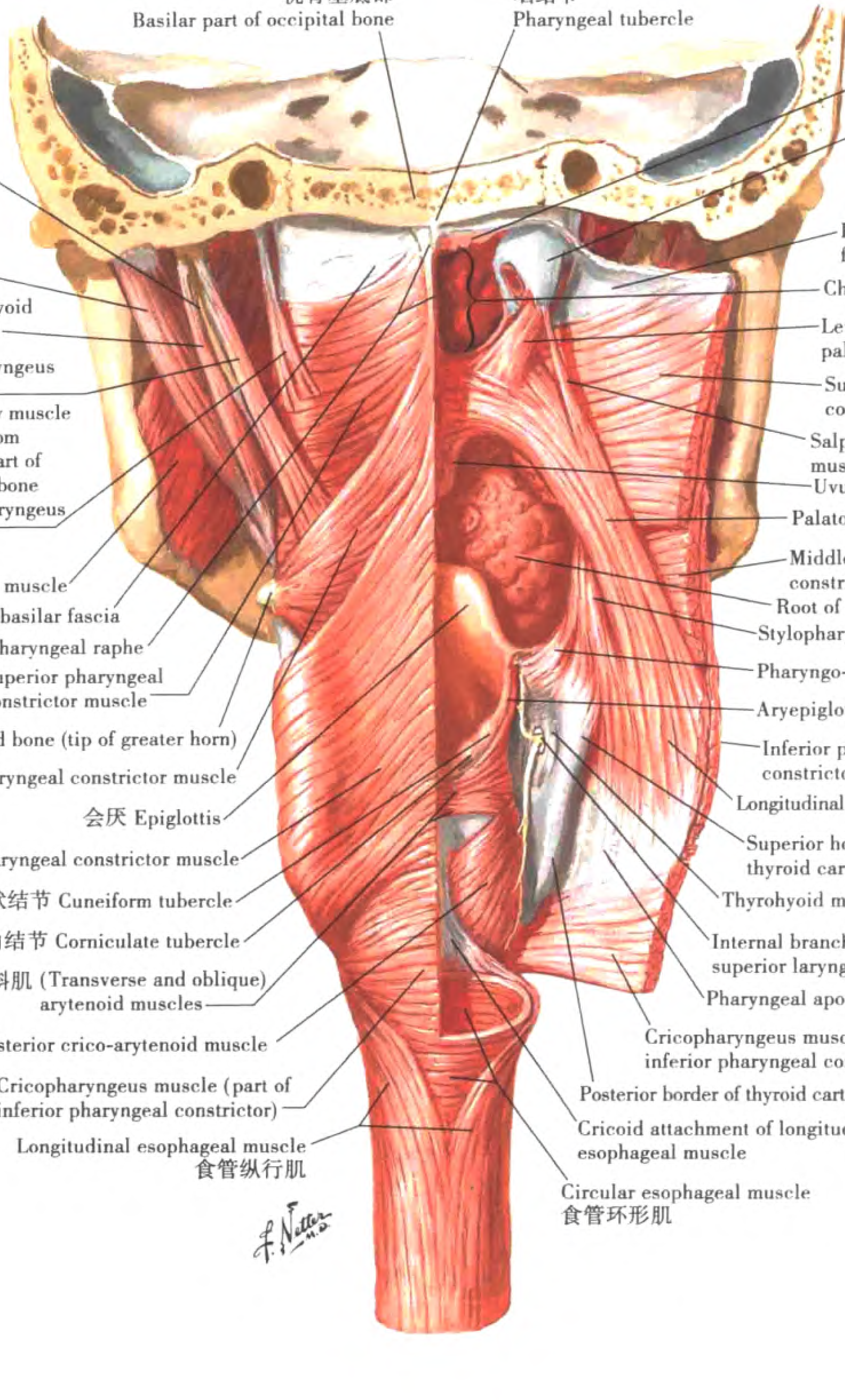

Medial pterygoid plate 翼突内侧板
Cartilaginous part of pharyngotympanic (auditory,eustachian) tube 咽鼓管软骨部
Tensor veli palatini muscle 腭帆张肌
Pharyngobasilar fascia 咽颅底筋膜
Levator veli palatini muscle 腭帆提肌
Palatine aponeurosis and tendon of tensor veli palatini muscle 腭腱膜和腭帆张肌肌腱
Pharyngeal tubercle (basilar part of occipital bone) 咽结节(枕骨基底部)
Pharyngeal raphe 咽中缝
Anterior longitudinal ligament 前纵韧带
Anterior atlanto-occipital membrane 寰枕前膜
Apical ligament of dens 齿骨尖韧带
Salpingopharyngeus muscle 咽鼓管咽肌
Muscles of soft palate 软腭的肌肉
Palatopharyngeal sphincter (Passavant 's ridge) 腭咽括约肌(Passavant 嵴)
Pterygoid hamulus 翼钩
Superior pharyngeal constrictor muscle 咽上缩肌
Pterygomandibular raphe 翼突下颌缝
Palatopharyngeus muscle 腭咽肌
Buccinator muscle 颊肌
Glossopharyngeal part of superior pharyngeal constrictor 咽上缩肌舌咽部
Stylopharyngeus muscle 茎突咽肌
Stylohyoid ligament 茎突舌骨韧带
Styloglossus muscle 茎突舌肌
Middle pharyngeal constrictor muscle 咽中缩肌
Fibers to pharyngoepiglottic fold 至咽会厌襞的纤维
Buccopharyngeal fascia and retropharyngeal space 颊咽筋膜和咽后间隙
Prevertebral fascia and anterior longitudinal ligament 颈前筋膜和前纵韧带
Internal branch of superior laryngeal nerve 喉上神经内支
Longitudinal pharyngeal muscles 咽纵行肌
Inferior pharyngeal constrictor muscle 咽下缩肌
Pharyngeal aponeurosis 咽腱膜
Cricopharyngeus muscle (part of inferior pharyngeal constrictor) 咽环肌(咽下缩肌的部分)
Cricoid attachment of longitudinal esophageal muscle 食管纵行肌在环状软骨的附着
Circular esophageal muscle 食管环形肌
Longitudinal esophageal muscle 食管纵行肌
C1
C2
C3
C4
C5
C6
C7
舌骨舌肌 Hyoglossus muscle
Geniohyoid muscle 颏舌骨肌
下颌舌骨肌 Mylohyoid muscle
舌骨 Hyoid bone
甲状舌骨膜 Thyrohyoid membrane
甲状软骨 Thyroid cartilage
环甲正中韧带 Median cricothyroid ligament
小角状软骨和杓状软骨 Corniculate and arytenoid cartilages
环状软骨 Cricoid cartilage
Trachea 气管
F. Netter M.D.

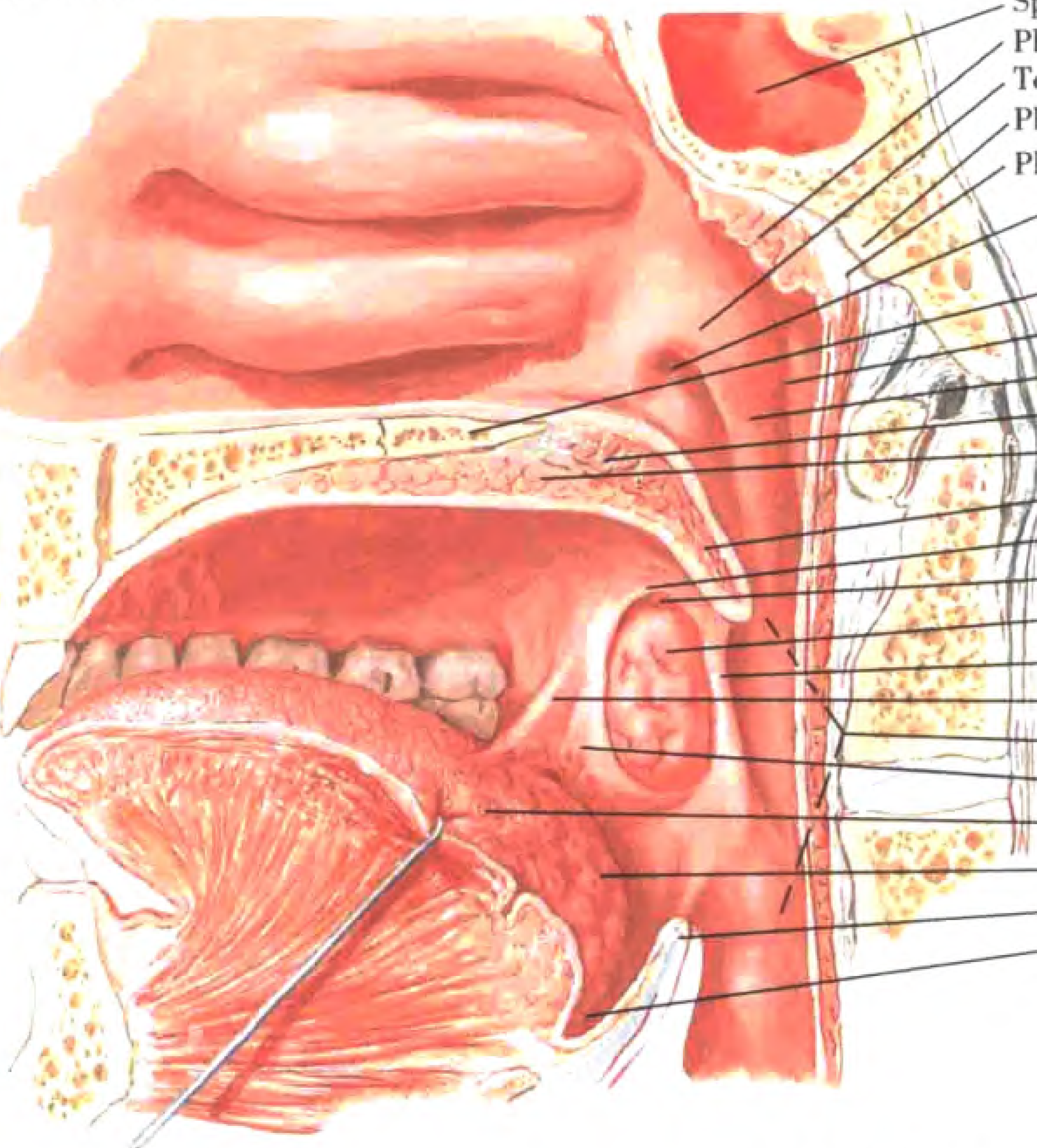
图 65 咽


鼻后孔
Choanae
颅底(枕骨基底部)
Base of skull (basilar part of occipital bone)
Pharyngeal tonsil
咽扁桃体(腺样体)
Styloid process 茎突
Nasal septum 鼻中隔
Torus tubarius 咽鼓管圆枕
Pharyngeal opening 咽鼓管咽口
of pharyngotympanic
(auditory, eustachian)tube
Pharyngeal recess 咽隐窝
Parotid gland 腮腺
Torus levatorius (fold
caused by levator
veli palatini muscle)
提肌圆枕(腭帆提
肌形成的皱襞)
Inferior nasal concha 下鼻甲
Salpingopharyngeal fold 咽鼓管咽襞
Soft palate 软腭
Angle of mandible 下颌角
Submandibular gland 下颌下腺
Uvula 悬雍垂
Palatine tonsil 腭扁桃体
Root of tongue 舌根
Palatopharyngeal arch 腭咽弓
Prominence caused by greater horn
of hyoid bone
舌骨大角形
成的突起
Epiglottis 会厌
Laryngeal inlet (aditus) 喉口
Prominence caused by superior horn
of thyroid cartilage
甲状软骨上角
形成的突起
Aryepiglottic fold 杓会厌襞
Piriform fossa (recess) 梨状窝
Cuneiform tubercle 楔状结节
Fold over internal branch
of superior laryngeal nerve
喉上神经内支
表面的皱襞
Corniculate tubercle 小角结节
Interarytenoid notch 杓状软骨间切迹
Prominence over lamina
of cricoid cartilage
环状软骨板
表面的突起
Nasopharynx
鼻咽
Oropharynx
口咽
Laryngopharynx
喉咽
Esophagus
食管
Trachea
气管

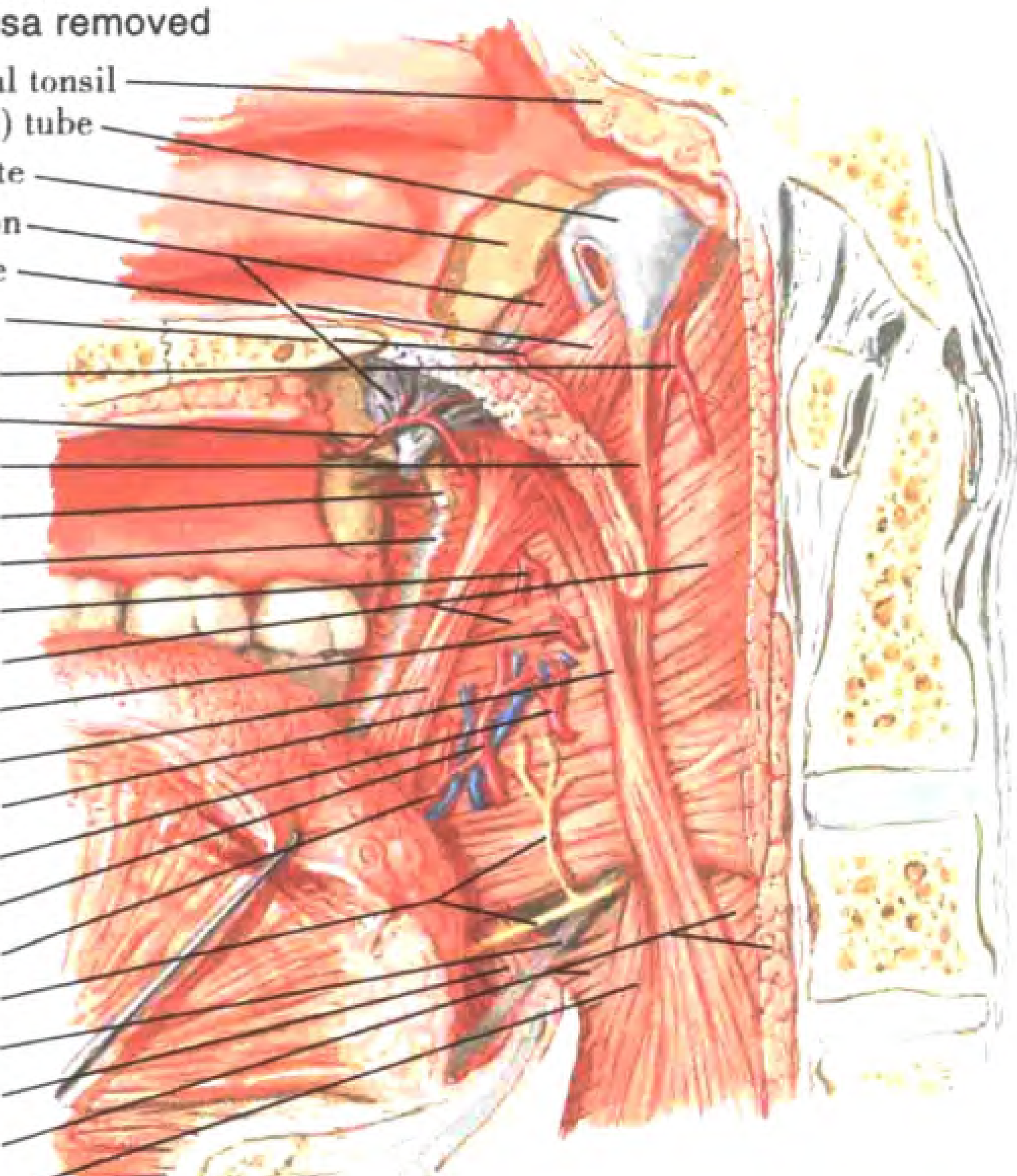


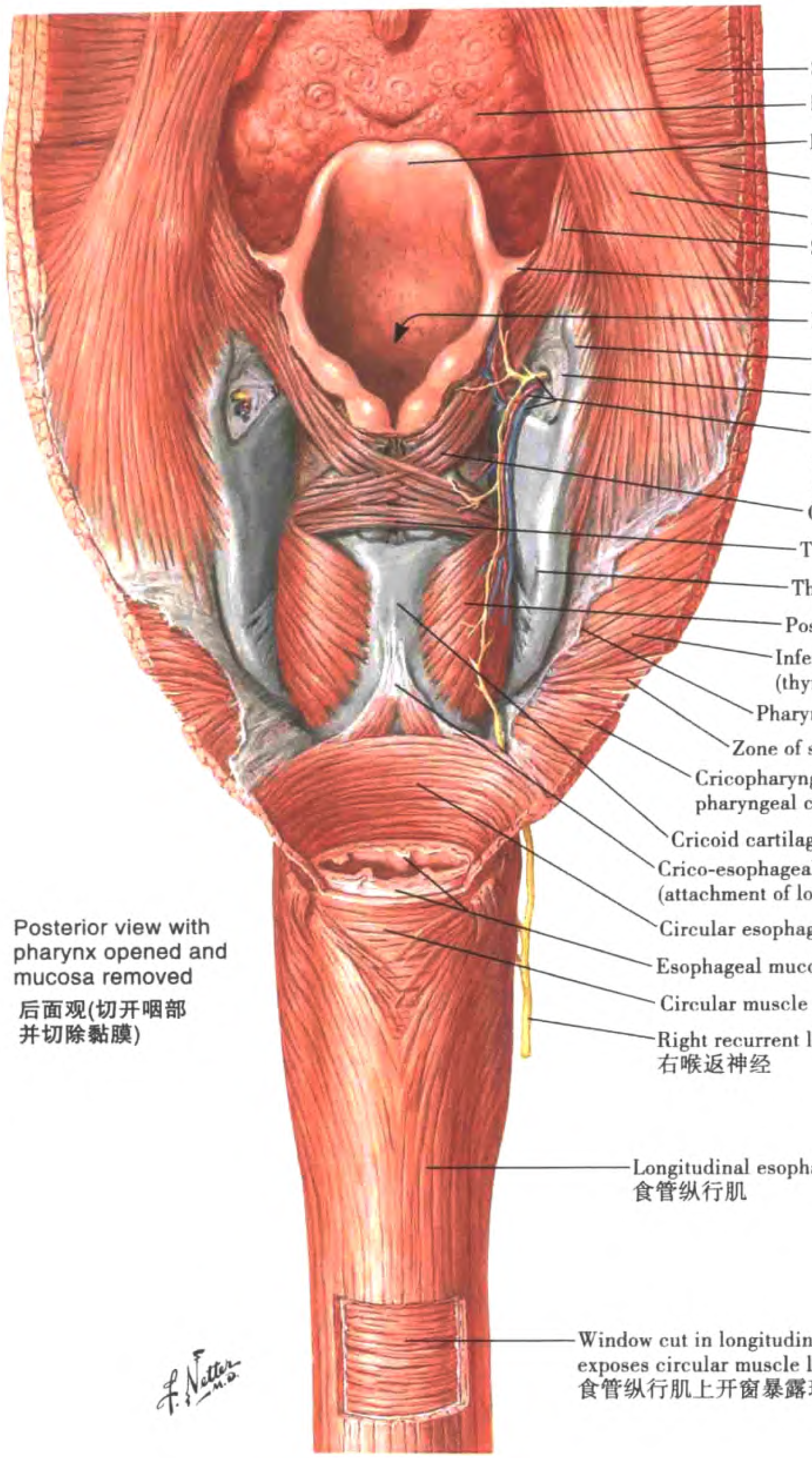
枕骨基底部 Basilar part of occipital bone
咽结节 Pharyngeal tubercle
Pharyngeal tonsil 咽扁桃体(腺样体)
Cartilaginous part of pharyngotympanic (auditory, eustachian) tube 咽鼓管软骨部
Pharyngobasilar fascia 咽颅底筋膜
Choana 鼻后孔
Levator veli palatini muscle 腭帆提肌
Superior pharyngeal constrictor muscle 咽上缩肌
Salpingopharyngeus muscle 咽鼓管咽肌
Uvula 悬雍垂
Palatopharyngeus muscle 腭咽肌
Middle pharyngeal constrictor muscle 咽中缩肌
Root of tongue 舌根
Stylopharyngeus muscle 茎突咽肌
Pharyngo-epiglottic fold 咽会厌襞
Aryepiglottic fold 杓会厌襞
Inferior pharyngeal constrictor muscle (cut edge) 咽下缩肌(切缘)
Longitudinal pharyngeal muscles 咽纵行肌
Superior horn of thyroid cartilage 甲状软骨上角
Thyrohyoid membrane 甲状舌骨膜
Internal branch of superior laryngeal nerve 喉上神经内支
Pharyngeal aponeurosis 咽腱膜
Cricopharyngeus muscle (part of inferior pharyngeal constrictor) 环咽肌(咽下缩肌部分)
Posterior border of thyroid cartilage lamina 甲状软骨板后缘
Cricoid attachment of longitudinal esophageal muscle 食管纵行肌在环状软骨的附着
Circular esophageal muscle 食管环形肌
茎突 Styloid process
二腹肌(后腹) Digastric muscle (posterior belly)
茎突舌骨肌 Stylohyoid muscle
茎突咽肌 Stylopharyngeus muscle
来自颞骨岩部的肌束(岩咽肌) Accessory muscle bundle from petrous part of temporal bone (petropharyngeus muscle)
翼内肌 Medial pterygoid muscle
咽颅底筋膜 Pharyngobasilar fascia
咽中缝 Pharyngeal raphe
咽上缩肌 Superior pharyngeal constrictor muscle
舌骨(大角尖端) Hyoid bone (tip of greater horn)
咽中缩肌 Middle pharyngeal constrictor muscle
会厌 Epiglottis
咽下缩肌 Inferior pharyngeal constrictor muscle
楔状结节 Cuneiform tubercle
小角结节 Corniculate tubercle
杓横肌和杓斜肌 (Transverse and oblique) arytenoid muscles
环杓后肌 Posterior crico-arytenoid muscle
环咽肌(咽下缩肌的部分) Cricopharyngeus muscle (part of inferior pharyngeal constrictor)
Longitudinal esophageal muscle 食管纵行肌
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正中矢状断面
Medial view
sagittal section



去除咽部黏膜
Pharyngeal mucosa removed



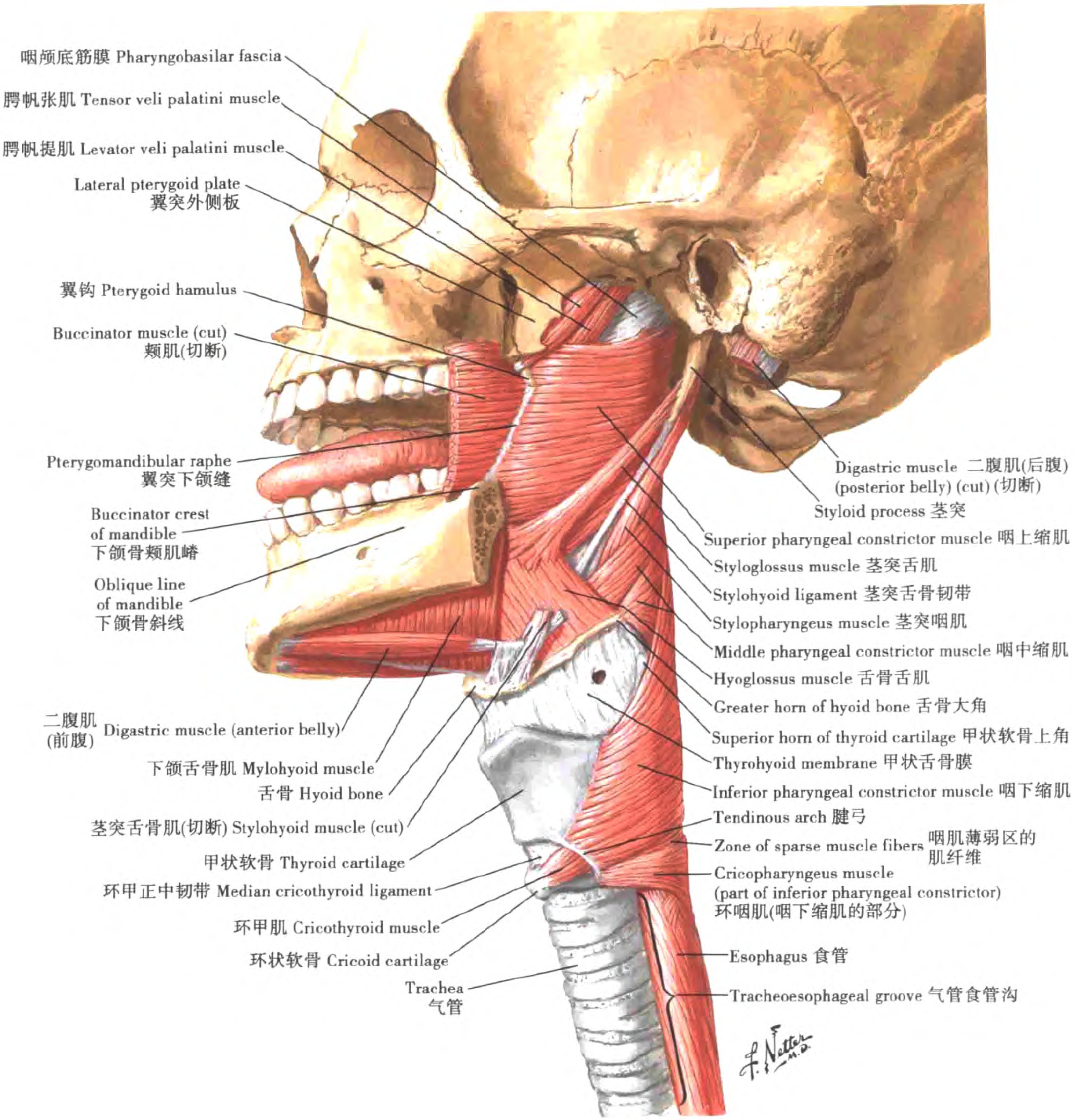


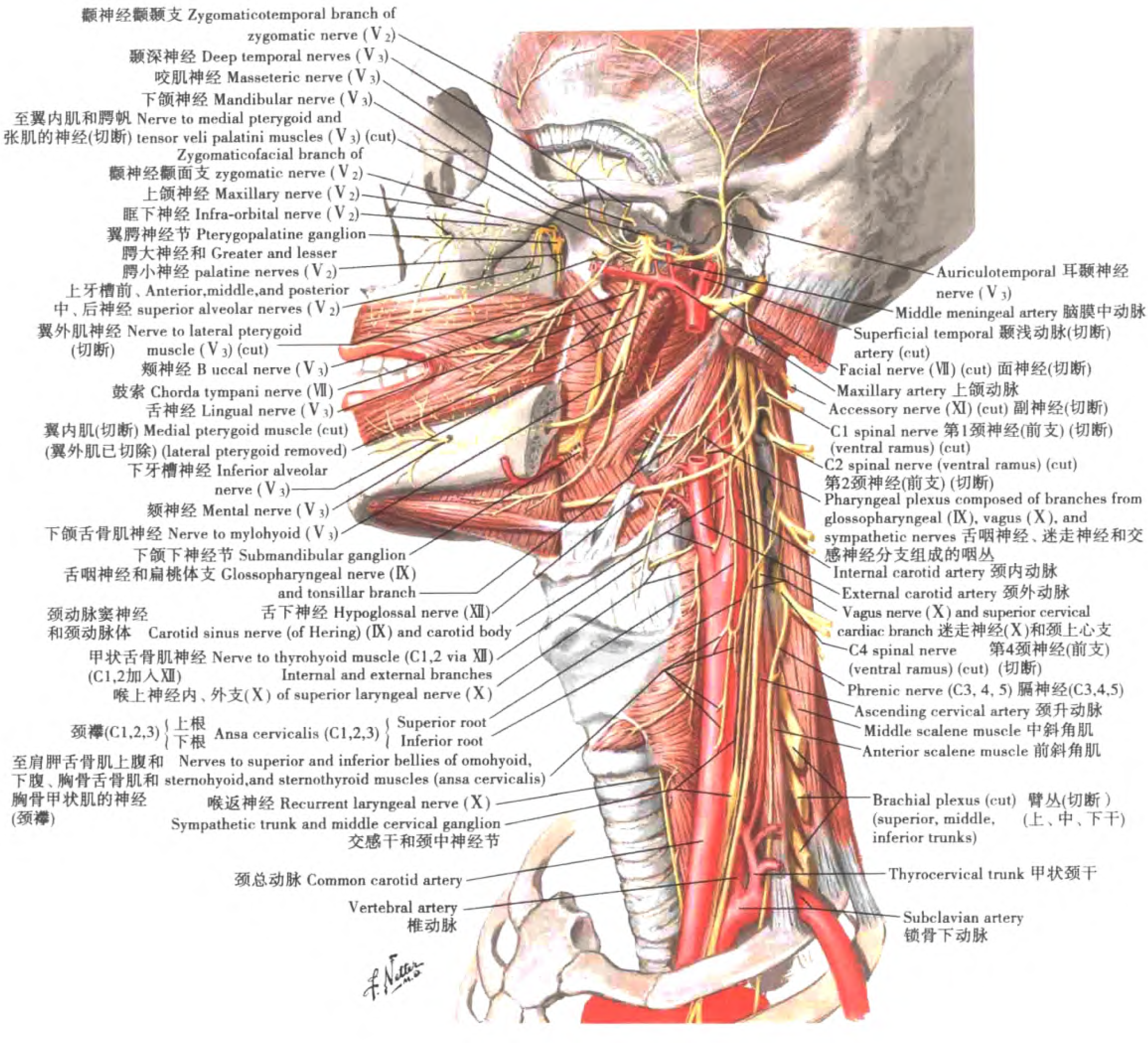
Posterior view with pharynx opened and mucosa removed

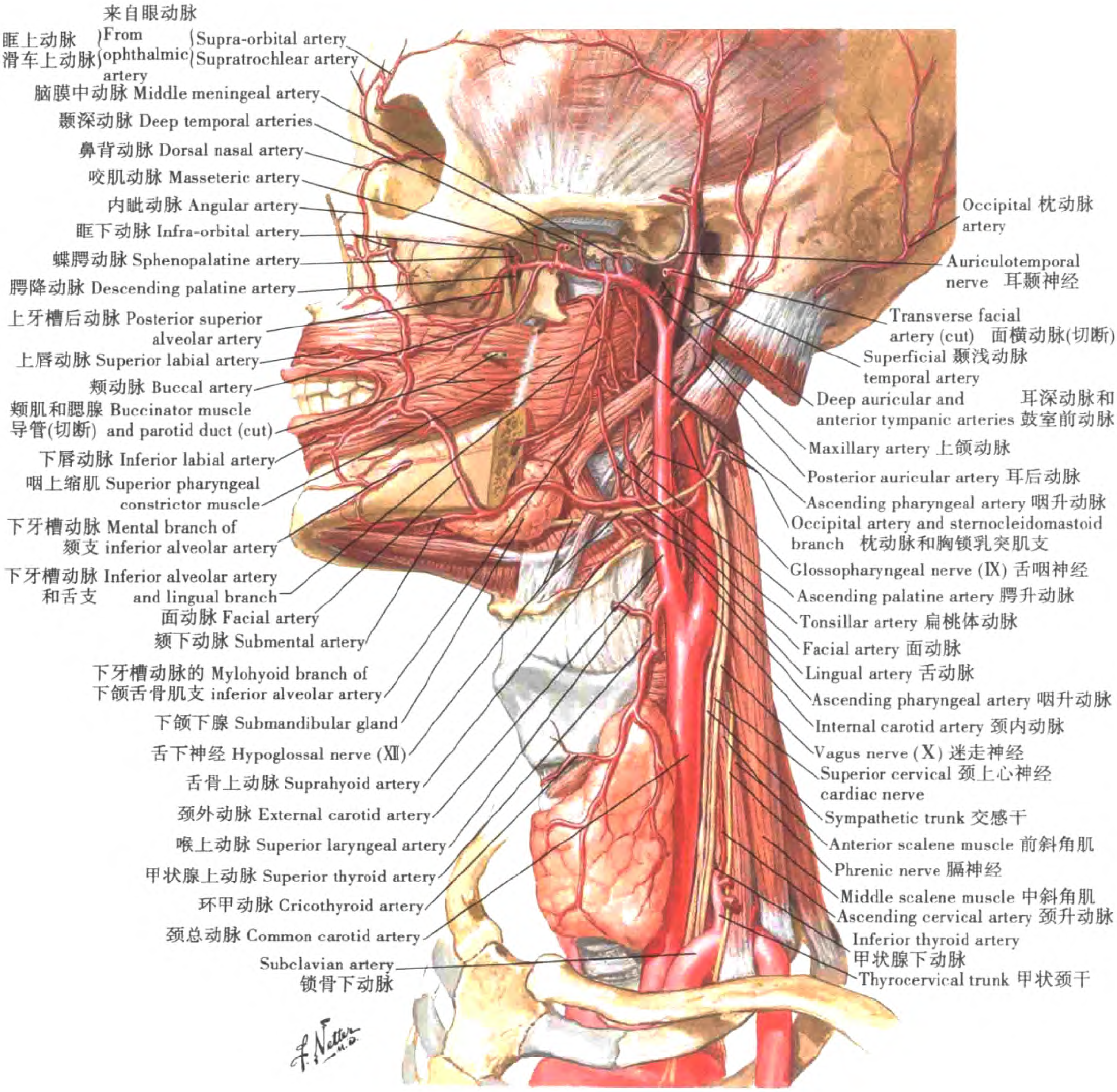
后面观(切开咽部并切除黏膜)

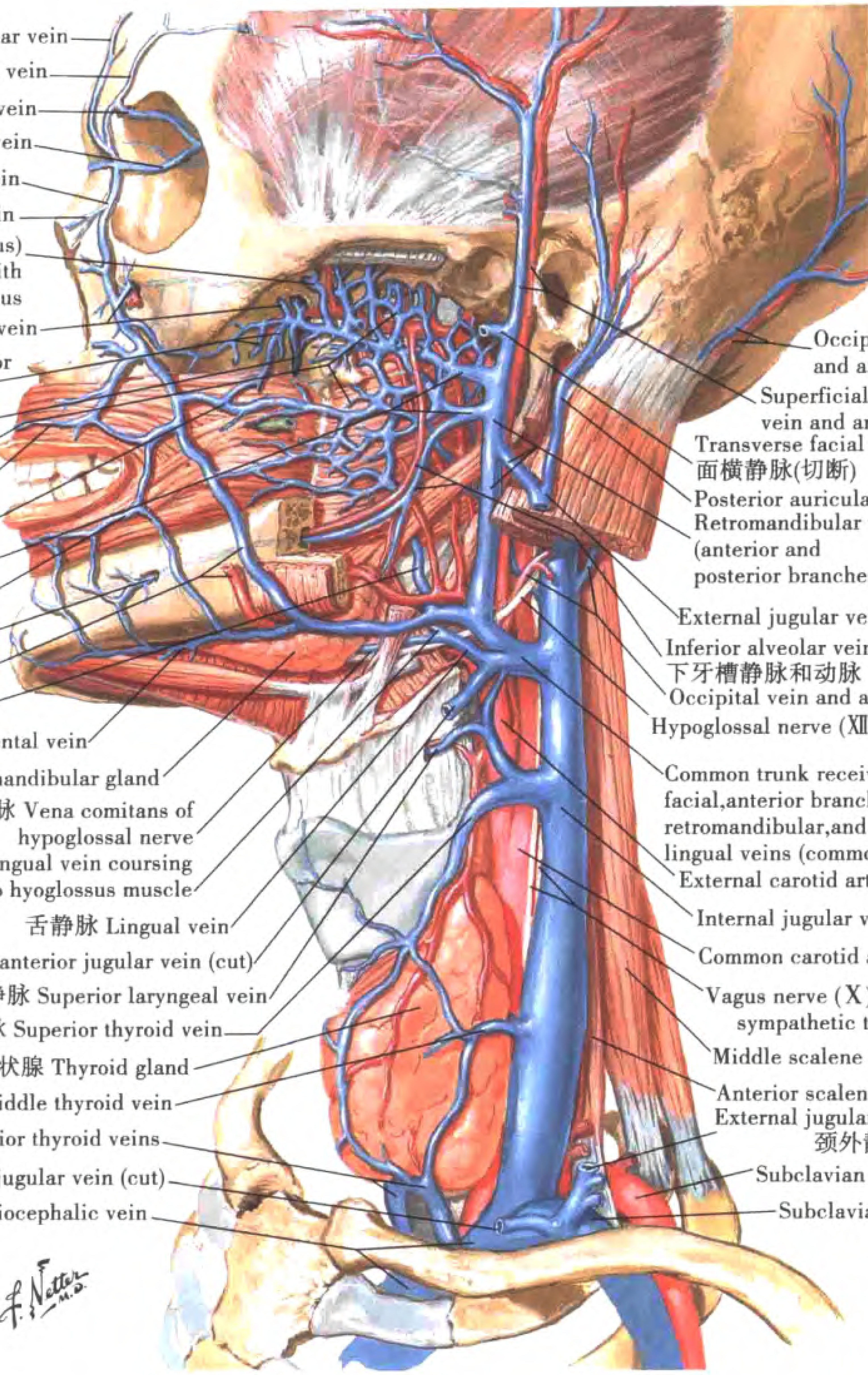
图 69 喉

参见图 67

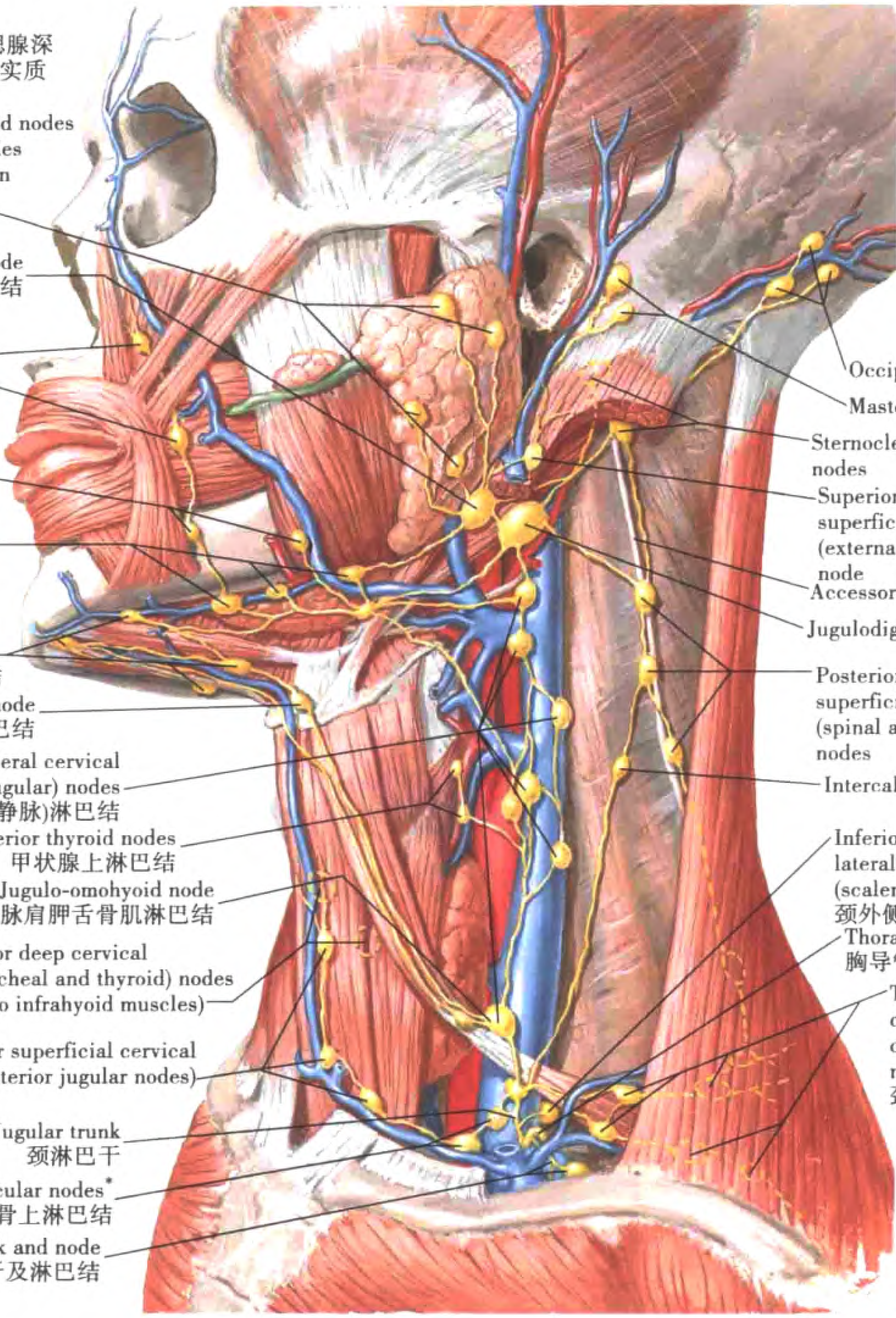

咽颅底筋膜 Pharyngobasilar fascia
腭帆张肌 Tensor veli palatini muscle
腭帆提肌 Levator veli palatini muscle
Lateral pterygoid plate 翼突外侧板
翼钩 Pterygoid hamulus
Buccinator muscle (cut) 颊肌(切断)
Pterygomandibular raphe 翼突下颌缝
Buccinator crest of mandible 下颌骨颊肌嵴
Oblique line of mandible 下颌骨斜线
二腹肌(前腹) Digastric muscle (anterior belly)
下颌舌骨肌 Mylohyoid muscle
舌骨 Hyoid bone
茎突舌骨肌(切断) Stylohyoid muscle (cut)
甲状软骨 Thyroid cartilage
环甲正中韧带 Median cricothyroid ligament
环甲肌 Cricothyroid muscle
环状软骨 Cricoid cartilage
Trachea 气管
Digastric muscle (posterior belly) (cut) 二腹肌(后腹)(切断)
Styloid process 茎突
Superior pharyngeal constrictor muscle 咽上缩肌
Styloglossus muscle 茎突舌肌
Stylohyoid ligament 茎突舌骨韧带
Stylopharyngeus muscle 茎突咽肌
Middle pharyngeal constrictor muscle 咽中缩肌
Hyoglossus muscle 舌骨舌肌
Greater horn of hyoid bone 舌骨大角
Superior horn of thyroid cartilage 甲状软骨上角
Thyrohyoid membrane 甲状舌骨膜
Inferior pharyngeal constrictor muscle 咽下缩肌
Tendinous arch 腱弓
Zone of sparse muscle fibers 咽肌薄弱区的肌纤维
Cricopharyngeus muscle (part of inferior pharyngeal constrictor) 环咽肌(咽下缩肌的部分)
Esophagus 食管
Tracheoesophageal groove 气管食管沟
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颧神经颧颞支 Zygomaticotemporal branch of zygomatic nerve (V 2)
颞深神经 Deep temporal nerves (V 3)
咬肌神经 Masseteric nerve (V 3)
下颌神经 Mandibular nerve (V 3)
至翼内肌和腭帆张肌的神经(切断) Nerve to medial pterygoid and tensor veli palatini muscles (V 3) (cut)
颧神经颧面支 Zygomaticofacial branch of zygomatic nerve (V 2)
上颌神经 Maxillary nerve (V 2)
眶下神经 Infra-orbital nerve (V 2)
翼腭神经节 Pterygopalatine ganglion
腭大神经和腭小神经 Greater and lesser palatine nerves (V 2)
上牙槽前、中、后神经 Anterior,middle,and posterior superior alveolar nerves (V 2)
翼外肌神经(切断) Nerve to lateral pterygoid muscle (V 3) (cut)
颊神经 Buccal nerve (V 3)
鼓索 Chorda tympani nerve (Ⅶ)
舌神经 Lingual nerve (V 3)
翼内肌(切断) Medial pterygoid muscle (cut)
(翼外肌已切除) (lateral pterygoid removed)
下牙槽神经 Inferior alveolar nerve (V 3)
颏神经 Mental nerve (V 3)
下颌舌骨肌神经 Nerve to mylohyoid (V 3)
下颌下神经节 Submandibular ganglion
舌咽神经和扁桃体支 Glossopharyngeal nerve (Ⅸ) and tonsillar branch
舌下神经 Hypoglossal nerve (Ⅻ)
颈动脉窦神经和颈动脉体 Carotid sinus nerve (of Hering) (Ⅸ) and carotid body
甲状舌骨肌神经 (C1,2加入Ⅻ) Nerve to thyrohyoid muscle (C1,2 via Ⅻ)
喉上神经内、外支(X) Internal and external branches of superior laryngeal nerve (X)
颈襻(C1,2,3) { 上根 下根 Ansa cervicalis (C1,2,3) { Superior root Inferior root
至肩胛舌骨肌上腹和下腹、胸骨舌骨肌和胸骨甲状肌的神经(颈襻) Nerves to superior and inferior bellies of omohyoid, sternohyoid,and sternothyroid muscles (ansa cervicalis)
喉返神经 Recurrent laryngeal nerve (X)
Sympathetic trunk and middle cervical ganglion 交感干和颈中神经节
颈总动脉 Common carotid artery
Vertebral artery 椎动脉
Auriculotemporal 耳颞神经 nerve (V 3)
Middle meningeal artery 脑膜中动脉
Superficial temporal 颞浅动脉(切断) artery (cut)
Facial nerve (Ⅶ) (cut) 面神经(切断)
Maxillary artery 上颌动脉
Accessory nerve (Ⅺ) (cut) 副神经(切断)
C1 spinal nerve 第1颈神经(前支) (切断) (ventral ramus) (cut)
C2 spinal nerve (ventral ramus) (cut) 第2颈神经(前支) (切断)
Pharyngeal plexus composed of branches from glossopharyngeal (Ⅸ), vagus (X), and sympathetic nerves 舌咽神经、迷走神经和交感神经分支组成的咽丛
Internal carotid artery 颈内动脉
External carotid artery 颈外动脉
Vagus nerve (X) and superior cervical cardiac branch 迷走神经(X)和颈上心支
C4 spinal nerve 第4颈神经(前支) (ventral ramus) (cut) (切断)
Phrenic nerve (C3, 4, 5) 膈神经(C3,4,5)
Ascending cervical artery 颈升动脉
Middle scalene muscle 中斜角肌
Anterior scalene muscle 前斜角肌
Brachial plexus (cut) 臂丛(切断) (superior, middle, inferior trunks) (上、中、下干)
Thyrocervical trunk 甲状颈干
Subclavian artery 锁骨下动脉
F. Netter M.D.


来自眼动脉
眶上动脉 From ophthalmic artery Supra-orbital artery
滑车上动脉 Supratrochlear artery
脑膜中动脉 Middle meningeal artery
颞深动脉 Deep temporal arteries
鼻背动脉 Dorsal nasal artery
咬肌动脉 Masseteric artery
内眦动脉 Angular artery
眶下动脉 Infra-orbital artery
蝶腭动脉 Sphenopalatine artery
腭降动脉 Descending palatine artery
上牙槽后动脉 Posterior superior alveolar artery
上唇动脉 Superior labial artery
颊动脉 Buccal artery
颊肌和腮腺导管(切断) Buccinator muscle and parotid duct (cut)
下唇动脉 Inferior labial artery
咽上缩肌 Superior pharyngeal constrictor muscle
下牙槽动脉颏支 Mental branch of inferior alveolar artery
下牙槽动脉和舌支 Inferior alveolar artery and lingual branch
面动脉 Facial artery
颏下动脉 Submental artery
下牙槽动脉的下颌舌骨肌支 Mylohyoid branch of inferior alveolar artery
下颌下腺 Submandibular gland
舌下神经 Hypoglossal nerve (Ⅻ)
舌骨上动脉 Suprahyoid artery
颈外动脉 External carotid artery
喉上动脉 Superior laryngeal artery
甲状腺上动脉 Superior thyroid artery
环甲动脉 Cricothyroid artery
颈总动脉 Common carotid artery
Subclavian artery 锁骨下动脉
Occipital artery 枕动脉
Auriculotemporal nerve 耳颞神经
Transverse facial artery (cut) 面横动脉(切断)
Superficial temporal artery 颞浅动脉
Deep auricular and anterior tympanic arteries 耳深动脉和鼓室前动脉
Maxillary artery 上颌动脉
Posterior auricular artery 耳后动脉
Ascending pharyngeal artery 咽升动脉
Occipital artery and sternocleidomastoid branch 枕动脉和胸锁乳突肌支
Glossopharyngeal nerve (Ⅸ) 舌咽神经
Ascending palatine artery 腭升动脉
Tonsillar artery 扁桃体动脉
Facial artery 面动脉
Lingual artery 舌动脉
Ascending pharyngeal artery 咽升动脉
Internal carotid artery 颈内动脉
Vagus nerve (Ⅹ) 迷走神经
Superior cervical cardiac nerve 颈上心神经
Sympathetic trunk 交感干
Anterior scalene muscle 前斜角肌
Phrenic nerve 膈神经
Middle scalene muscle 中斜角肌
Ascending cervical artery 颈升动脉
Inferior thyroid artery 甲状腺下动脉
Thyrocervical trunk 甲状颈干

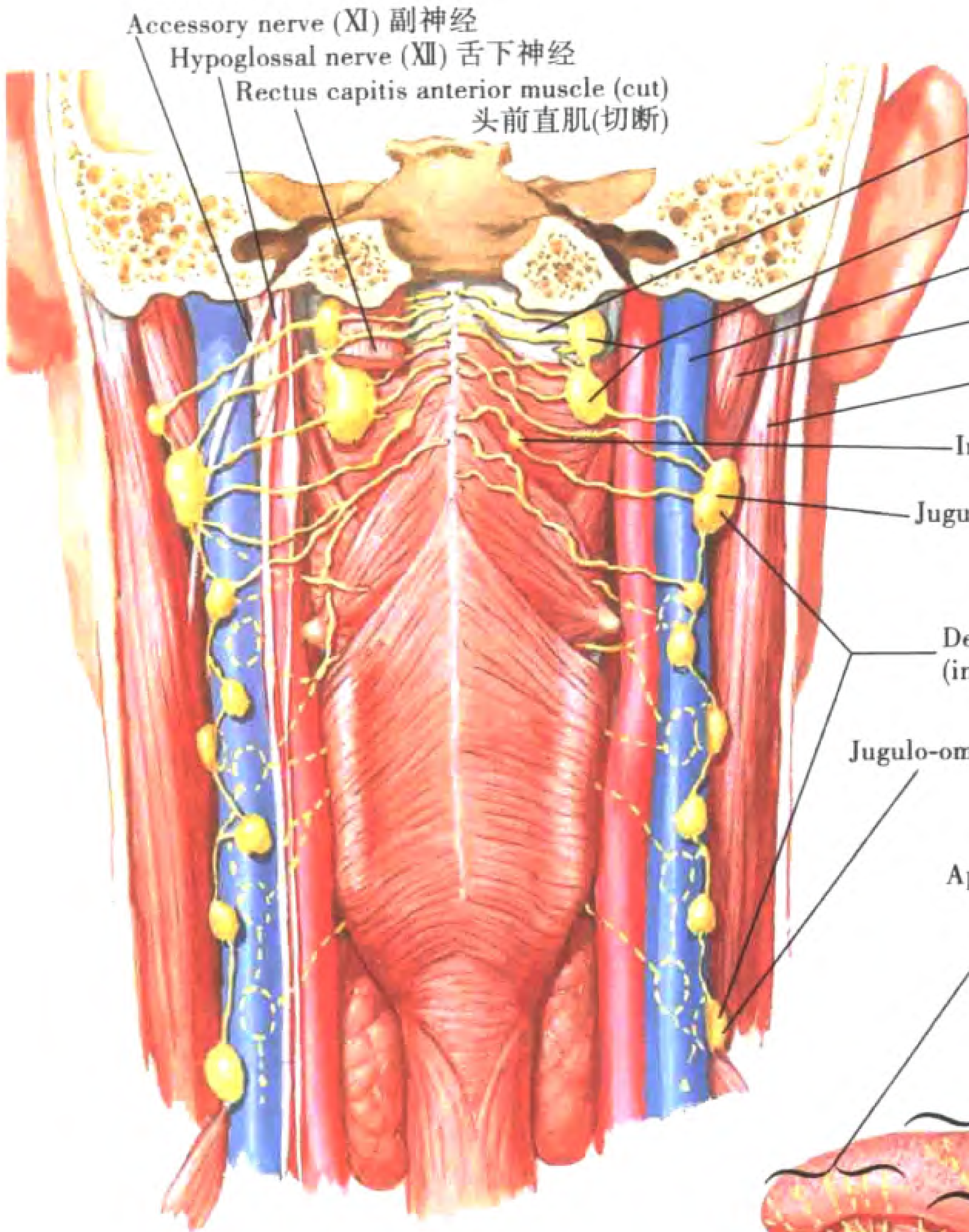

滑车上静脉 Supratrochlear vein
眶上静脉 Supra-orbital vein
鼻额静脉 Nasofrontal vein
眼上静脉 Superior ophthalmic vein
内眦静脉 Angular vein
鼻外侧静脉 External nasal vein
与海绵窦相交通的导静脉 Emissary vein (of Vesalius) communicating with cavernous sinus
眶下静脉 Infra-orbital vein
上牙槽后静脉 Posterior superior alveolar veins
腭静脉 Palatine vein
翼丛 Pterygoid plexus
上唇静脉 Superior labial vein
面深静脉 Deep facial vein
上颌静脉 Maxillary veins
下唇静脉 Inferior labial vein
颏静脉 Mental vein
面静脉和面动脉 Facial vein and artery
腭外静脉 External palatine vein
颏下静脉 Submental vein
下颌下腺 Submandibular gland
舌下神经伴行静脉 Vena comitans of hypoglossal nerve
流经舌肌内侧的舌背静脉 Dorsal lingual vein coursing medial to hyoglossus muscle
舌静脉 Lingual vein
颈前静脉交通支(切断) Communication to anterior jugular vein (cut)
喉上静脉 Superior laryngeal vein
甲状腺上静脉 Superior thyroid vein
甲状腺 Thyroid gland
甲状腺中静脉 Middle thyroid vein
甲状腺下静脉 Inferior thyroid veins
颈前静脉终末支(切断) Termination of anterior jugular vein (cut)
左头臂静脉 Left brachiocephalic vein
Occipital vein and artery 枕静脉和动脉
Superficial temporal vein and artery 颞浅静脉和动脉
Transverse facial vein (cut) 面横静脉(切断)
Posterior auricular vein 耳后静脉
Retromandibular vein (anterior and posterior branches) 下颌后静脉(前支和后支)
External jugular vein (cut) 颈外静脉(切断)
Inferior alveolar vein and artery 下牙槽静脉和动脉
Occipital vein and artery 枕静脉和动脉
Hypoglossal nerve (XII) 舌下神经
Common trunk receiving facial, anterior branch of retromandibular, and lingual veins (common facial vein) 收集面静脉、下颌后静脉前支和舌静脉的静脉总干(面总静脉)
External carotid artery 颈外动脉
Internal jugular vein 颈内静脉
Common carotid artery 颈总动脉
Vagus nerve (X) and sympathetic trunk 迷走神经和交感干
Middle scalene muscle 中斜角肌
Anterior scalene muscle 前斜角肌
External jugular vein (cut) 颈外静脉(切断)
Subclavian artery 锁骨下动脉
Subclavian vein 锁骨下静脉
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参见图73,105

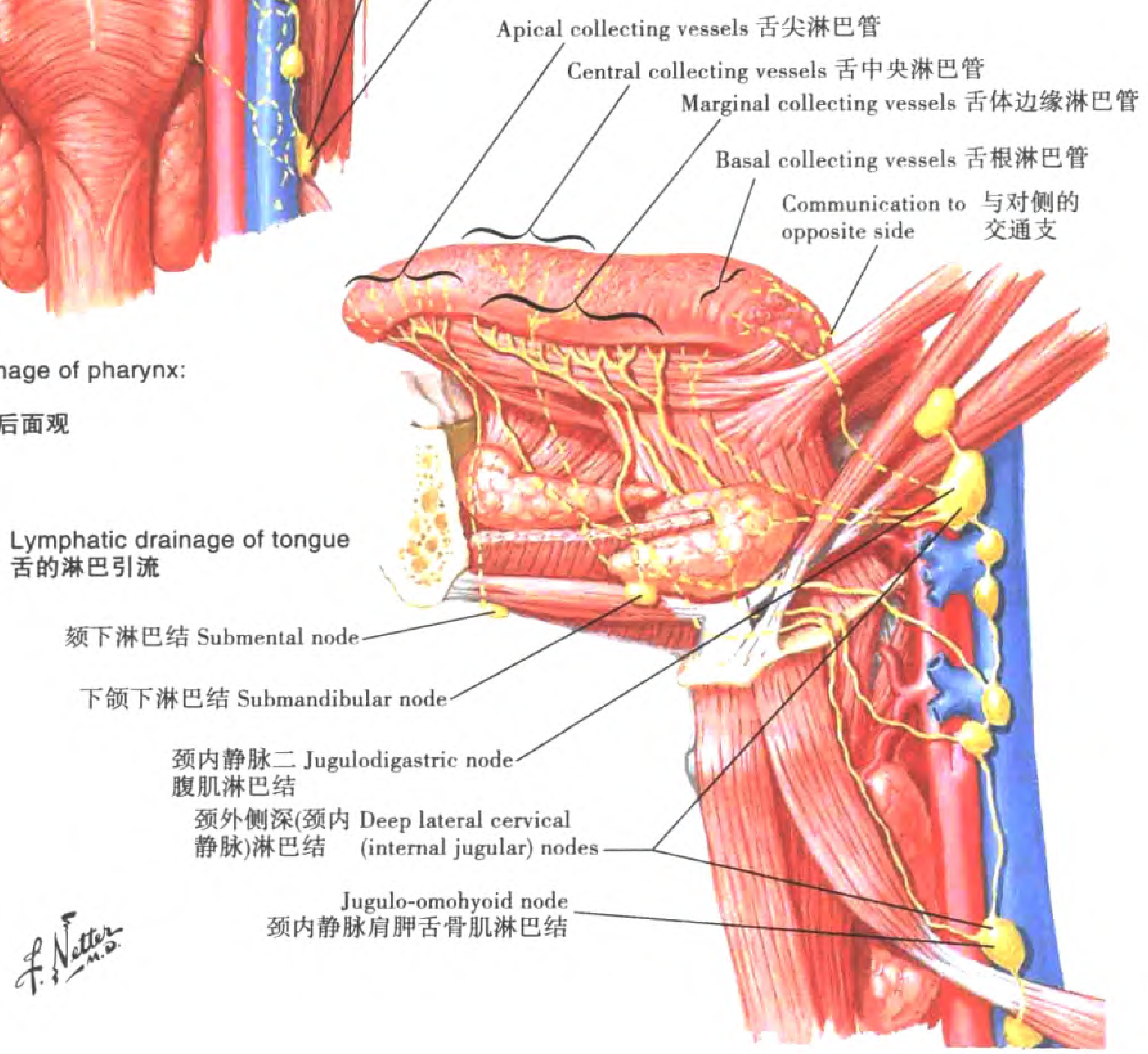


*The supraclavicular group of nodes(also known as the lower deep cervical group), especially on the left, are also sometimes referred to as the signal or sentinel lymph nodes of Virchow or Troisier, especially when sufficiently enlarged and palpable. These nodes(or a single node)are so termed because they may be the first recognized presumptive evidence of malignant disease in the viscera.

锁骨上淋巴结组(又称颈下深淋巴结组)当左侧增大被触及时,被称为Virchow或Troisier前哨淋巴结,可能提示内脏的恶性疾病。



Lymphatic drainage of pharynx: posterior view
咽的淋巴引流：后面观



Lymphatic drainage of tongue
舌的淋巴引流

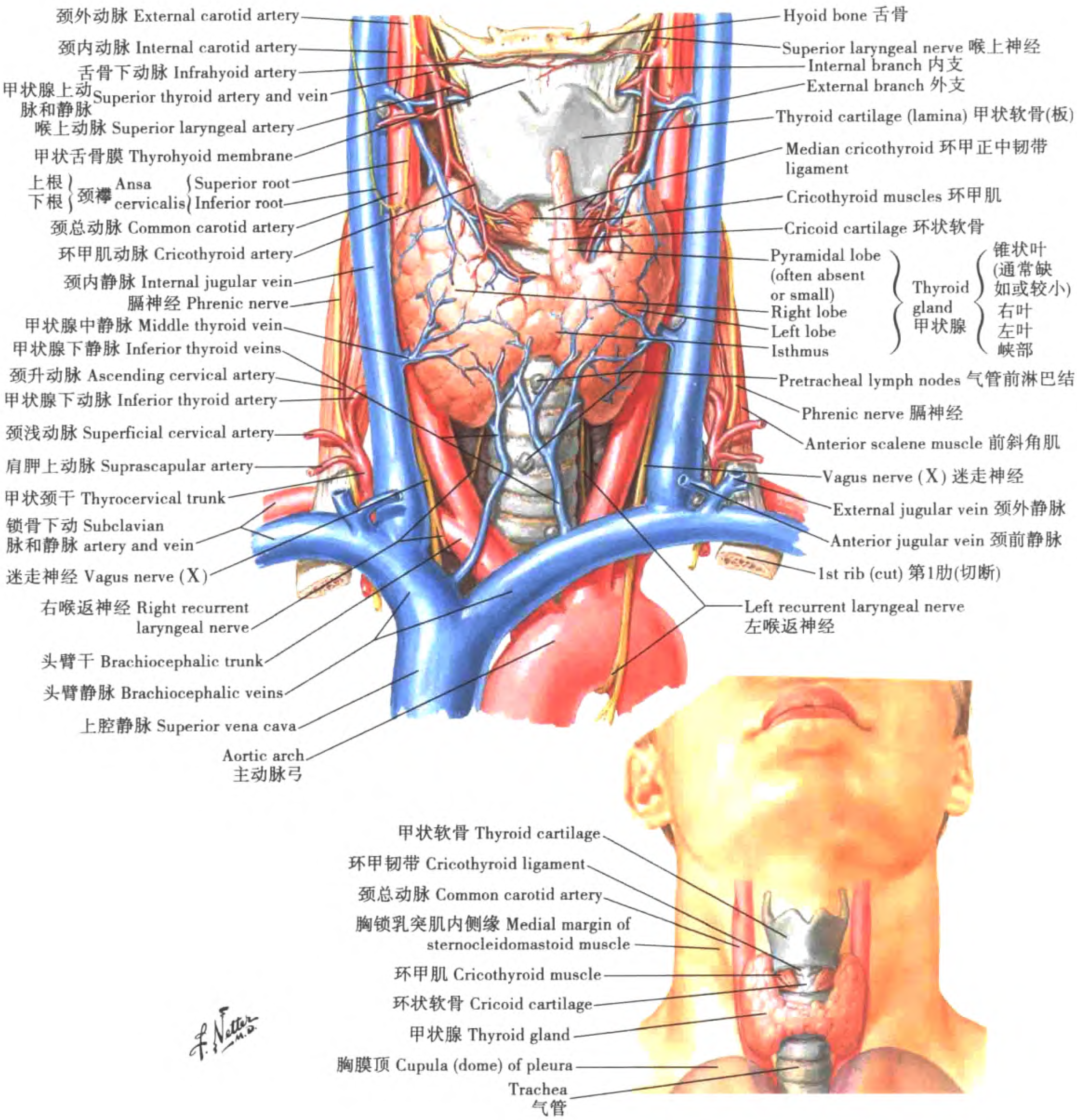

颈外动脉 External carotid artery
颈内动脉 Internal carotid artery
舌骨下动脉 Infrahyoid artery
甲状腺上动脉和静脉 Superior thyroid artery and vein
喉上动脉 Superior laryngeal artery
甲状舌骨膜 Thyrohyoid membrane
上根 Superior root
下根 Inferior root
颈襻 Ansa cervicalis
颈总动脉 Common carotid artery
环甲肌动脉 Cricothyroid artery
颈内静脉 Internal jugular vein
膈神经 Phrenic nerve
甲状腺中静脉 Middle thyroid vein
甲状腺下静脉 Inferior thyroid veins
颈升动脉 Ascending cervical artery
甲状腺下动脉 Inferior thyroid artery
颈浅动脉 Superficial cervical artery
肩胛上动脉 Suprascapular artery
甲状颈干 Thyrocervical trunk
锁骨下动脉和静脉 Subclavian artery and vein
迷走神经 Vagus nerve (X)
右喉返神经 Right recurrent laryngeal nerve
头臂干 Brachiocephalic trunk
头臂静脉 Brachiocephalic veins
上腔静脉 Superior vena cava
Aortic arch 主动脉弓
Hyoid bone 舌骨
Superior laryngeal nerve 喉上神经
Internal branch 内支
External branch 外支
Thyroid cartilage (lamina) 甲状软骨(板)
Median cricothyroid ligament 环甲正中韧带
Cricothyroid muscles 环甲肌
Cricoid cartilage 环状软骨
Pyramidal lobe (often absent or small) 锥状叶(通常缺如或较小)
Right lobe 右叶
Left lobe 左叶
Isthmus 峡部
Thyroid gland 甲状腺
Pretracheal lymph nodes 气管前淋巴结
Phrenic nerve 膈神经
Anterior scalene muscle 前斜角肌
Vagus nerve (X) 迷走神经
External jugular vein 颈外静脉
Anterior jugular vein 颈前静脉
1st rib (cut) 第1肋(切断)
Left recurrent laryngeal nerve 左喉返神经
甲状软骨 Thyroid cartilage
环甲韧带 Cricothyroid ligament
颈总动脉 Common carotid artery
胸锁乳突肌内侧缘 Medial margin of sternocleidomastoid muscle
环甲肌 Cricothyroid muscle
环状软骨 Cricoid cartilage
甲状腺 Thyroid gland
胸膜顶 Cupula (dome) of pleura
Trachea 气管
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图 76 甲状腺和喉

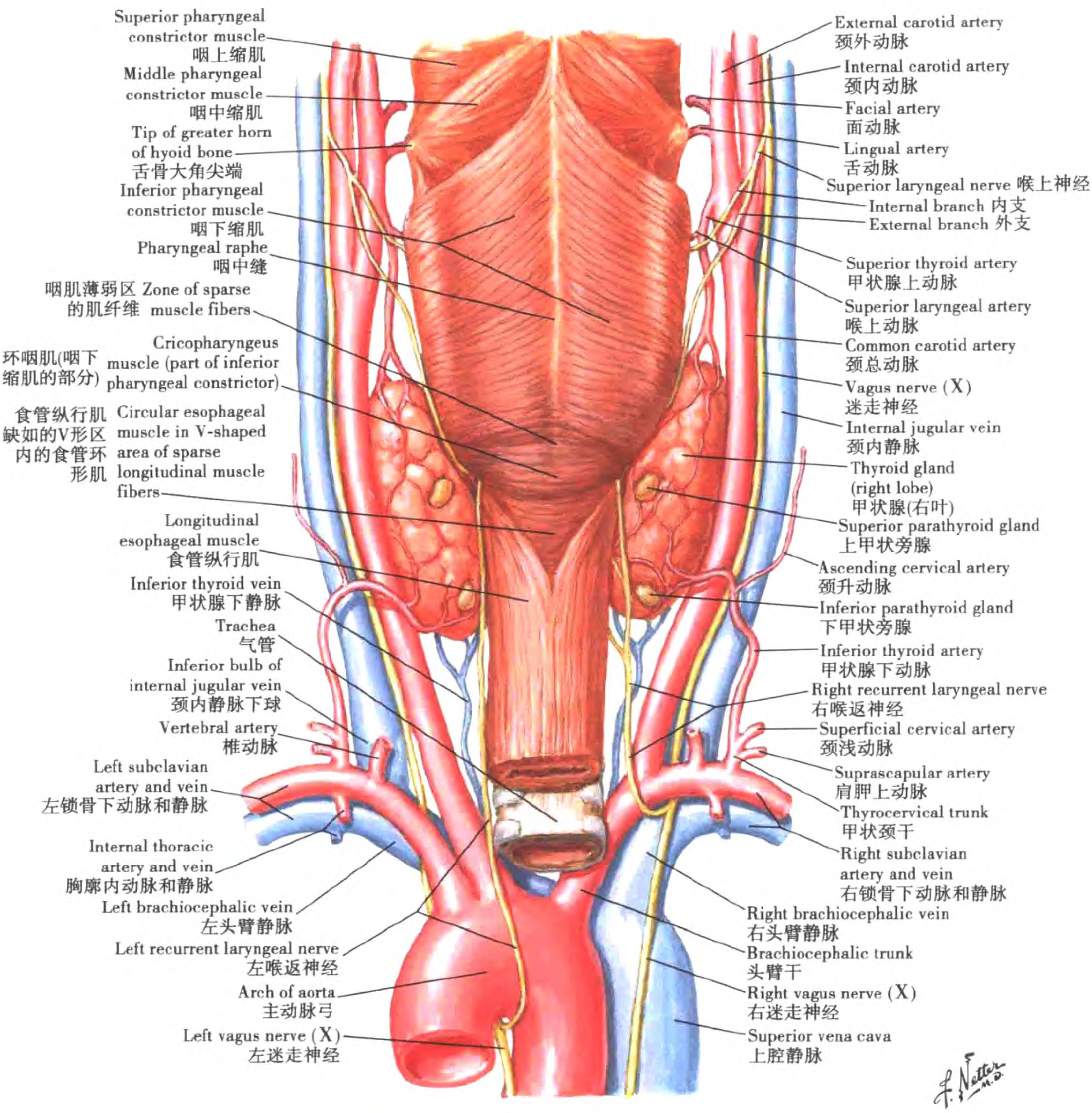
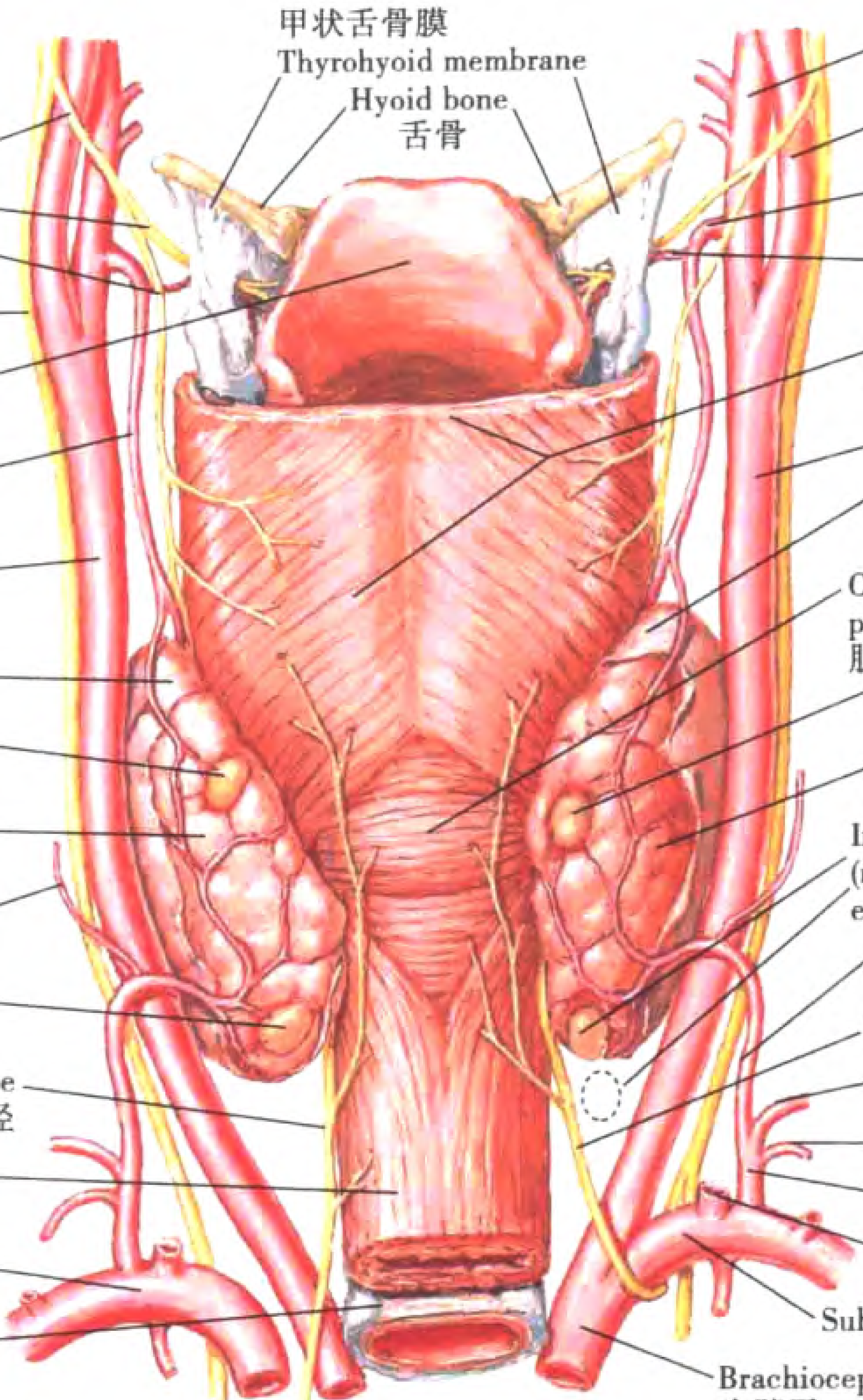
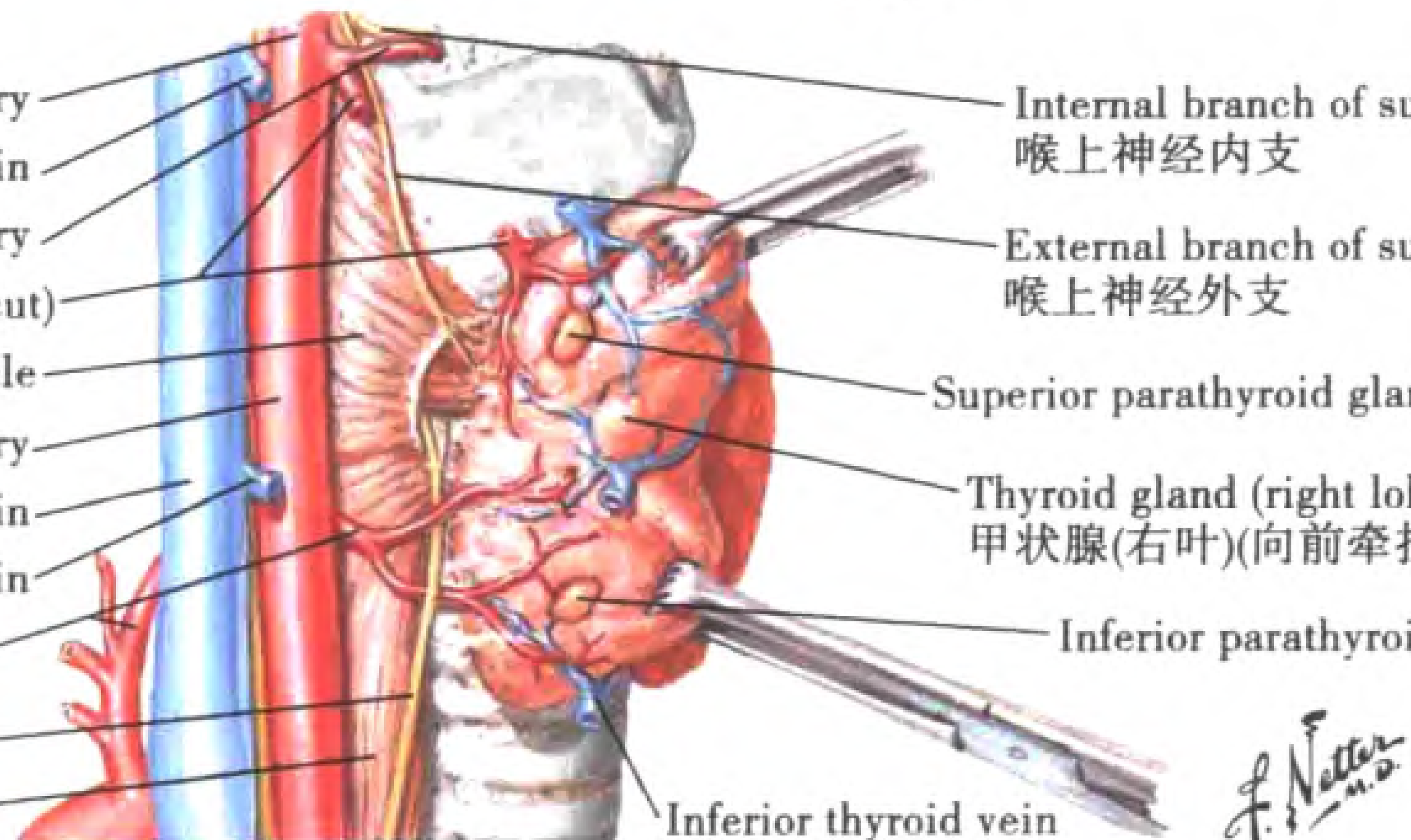

Superior pharyngeal constrictor muscle
咽上缩肌
Middle pharyngeal constrictor muscle
咽中缩肌
Tip of greater horn of hyoid bone
舌骨大角尖端
Inferior pharyngeal constrictor muscle
咽下缩肌
Pharyngeal raphe
咽中缝
咽肌薄弱区 Zone of sparse
的肌纤维 muscle fibers
环咽肌(咽下缩肌的部分) Cricopharyngeus muscle (part of inferior pharyngeal constrictor)
食管纵行肌缺如的V形区内的食管环形肌 Circular esophageal muscle in V-shaped area of sparse longitudinal muscle fibers
Longitudinal esophageal muscle
食管纵行肌
Inferior thyroid vein
甲状腺下静脉
Trachea
气管
Inferior bulb of internal jugular vein
颈内静脉下球
Vertebral artery
椎动脉
Left subclavian artery and vein
左锁骨下动脉和静脉
Internal thoracic artery and vein
胸廓内动脉和静脉
Left brachiocephalic vein
左头臂静脉
Left recurrent laryngeal nerve
左喉返神经
Arch of aorta
主动脉弓
Left vagus nerve (X)
左迷走神经
External carotid artery
颈外动脉
Internal carotid artery
颈内动脉
Facial artery
面动脉
Lingual artery
舌动脉
Superior laryngeal nerve 喉上神经
Internal branch 内支
External branch 外支
Superior thyroid artery
甲状腺上动脉
Superior laryngeal artery
喉上动脉
Common carotid artery
颈总动脉
Vagus nerve (X)
迷走神经
Internal jugular vein
颈内静脉
Thyroid gland (right lobe)
甲状腺(右叶)
Superior parathyroid gland
上甲状旁腺
Ascending cervical artery
颈升动脉
Inferior parathyroid gland
下甲状旁腺
Inferior thyroid artery
甲状腺下动脉
Right recurrent laryngeal nerve
右喉返神经
Superficial cervical artery
颈浅动脉
Suprascapular artery
肩胛上动脉
Thyrocervical trunk
甲状颈干
Right subclavian artery and vein
右锁骨下动脉和静脉
Right brachiocephalic vein
右头臂静脉
Brachiocephalic trunk
头臂干
Right vagus nerve (X)
右迷走神经
Superior vena cava
上腔静脉
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图 77 甲状腺和喉

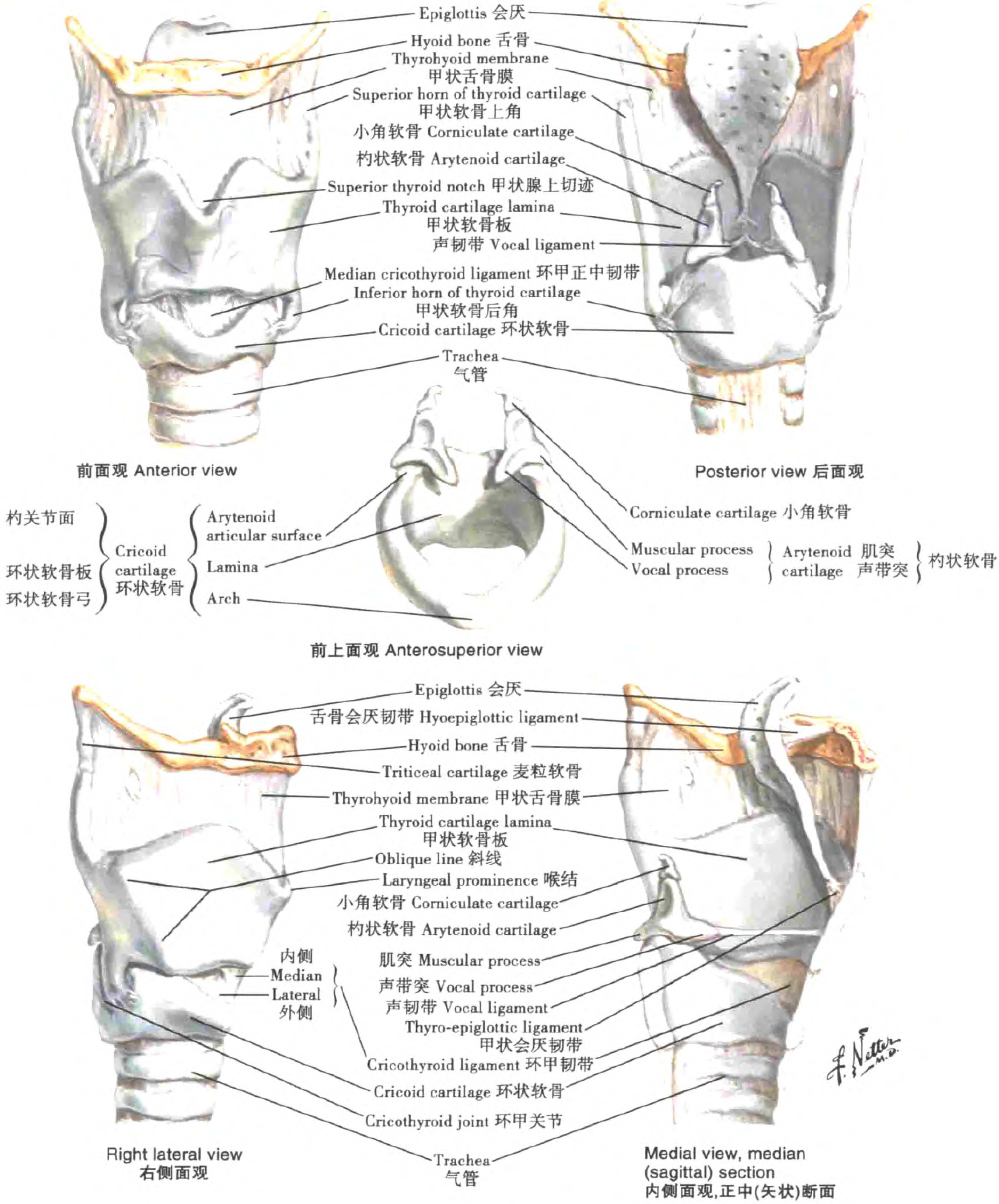


后面观
Posterior view
甲状舌骨膜
Thyrohyoid membrane
Hyoid bone
舌骨
喉上神经 Superior laryngeal nerve
内支 Internal branch
外支 External branch
迷走神经 Vagus nerve (X)
Epiglottis
会厌
Superior thyroid artery
甲状腺上动脉
颈总动脉 Common carotid artery
甲状腺纤维囊 Fibrous capsule of
(切开) thyroid gland (cut)
Superior parathyroid gland
上甲状旁腺
Left lobe of thyroid gland
甲状腺左叶
Ascending cervical artery
颈升动脉
Inferior parathyroid gland
下甲状旁腺
Left recurrent laryngeal nerve
左喉返神经
Esophagus
食管
Subclavian artery
锁骨下动脉
Trachea
气管
External carotid artery 颈外动脉
Internal carotid artery 颈内动脉
Superior thyroid artery 甲状腺上动脉
Superior laryngeal artery 喉上动脉
Inferior pharyngeal constrictor muscle (cut)
咽下缩肌(切断)
Common carotid artery 颈总动脉
Fibrous capsule of thyroid gland (cut)
甲状腺纤维囊(切开)
Cricopharyngeus muscle (part of inferior
pharyngeal constrictor) 咽环肌(咽下缩
肌的部分)
Superior parathyroid gland 上甲状旁腺
Right lobe of thyroid gland 甲状腺右叶
Inferior parathyroid gland 下甲状旁腺(位置
(may be more caudally located 可能更靠下,甚
even within mediastinum) 至位于纵隔内)
Inferior thyroid artery 甲状腺下动脉
Right recurrent laryngeal nerve 右喉返神经
Transverse cervical artery 颈横动脉
Suprascapular artery 肩胛上动脉
Thyrocervical trunk 甲状颈干
Vertebral artery 椎动脉
Subclavian artery 锁骨下动脉
Brachiocephalic trunk
头臂干

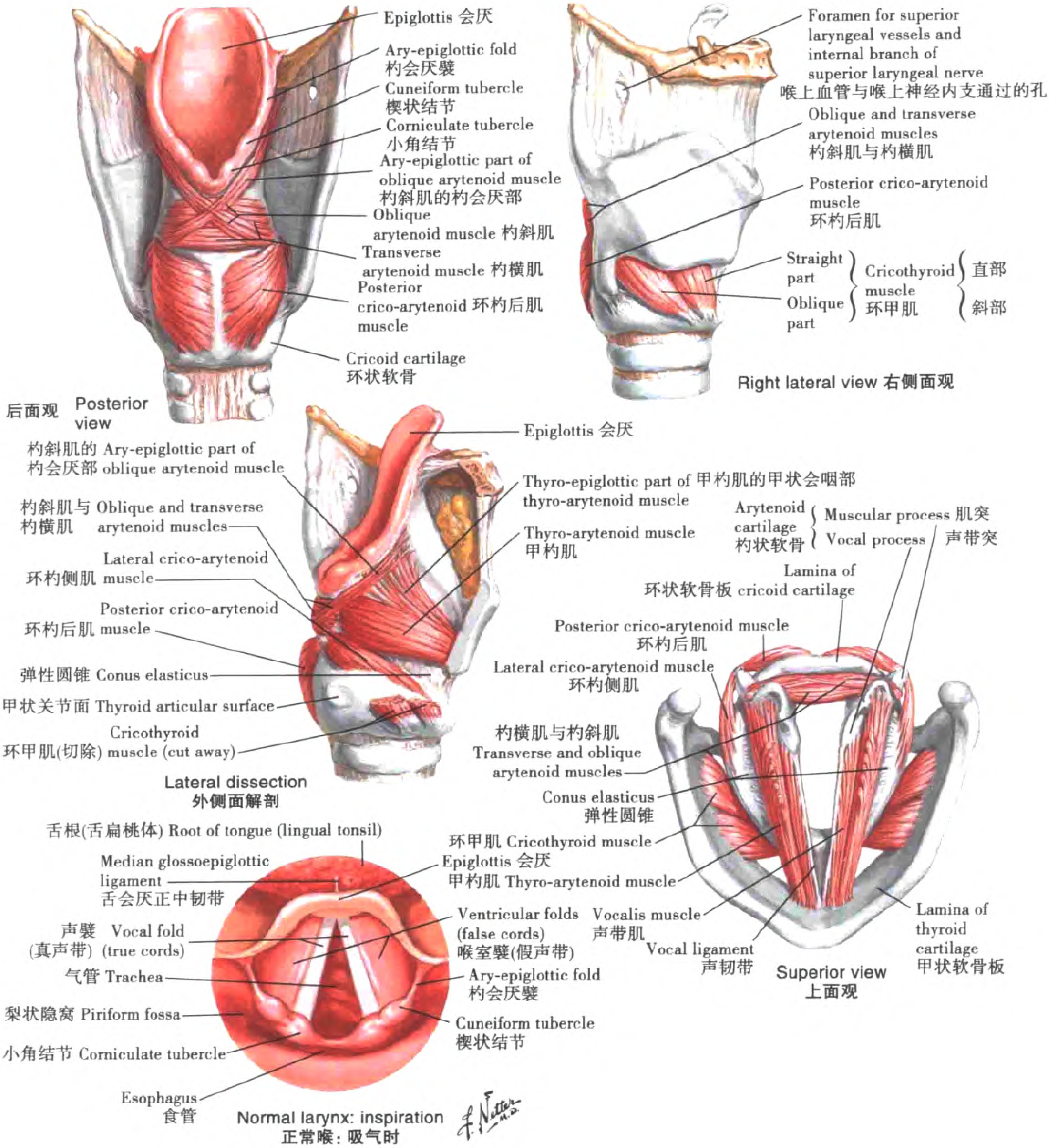


右侧面观 Right lateral view
颈外动脉 External carotid artery
甲状腺上静脉 Superior thyroid vein
喉上动脉 Superior laryngeal artery
甲状腺上动脉(切断) Superior thyroid artery (cut)
咽下缩肌 Inferior pharyngeal constrictor muscle
颈总动脉 Common carotid artery
颈内静脉 Internal jugular vein
甲状腺中静脉 Middle thyroid vein
甲状腺下动脉 Inferior thyroid artery
右喉返神经 Right recurrent laryngeal nerve
食管 Esophagus
Internal branch of superior laryngeal nerve
喉上神经内支
External branch of superior laryngeal nerve
喉上神经外支
Superior parathyroid gland 上甲状旁腺
Thyroid gland (right lobe) (retracted anteriorly)
甲状腺(右叶)(向前牵拉)
Inferior parathyroid gland 下甲状旁腺
Inferior thyroid vein
甲状腺下静脉

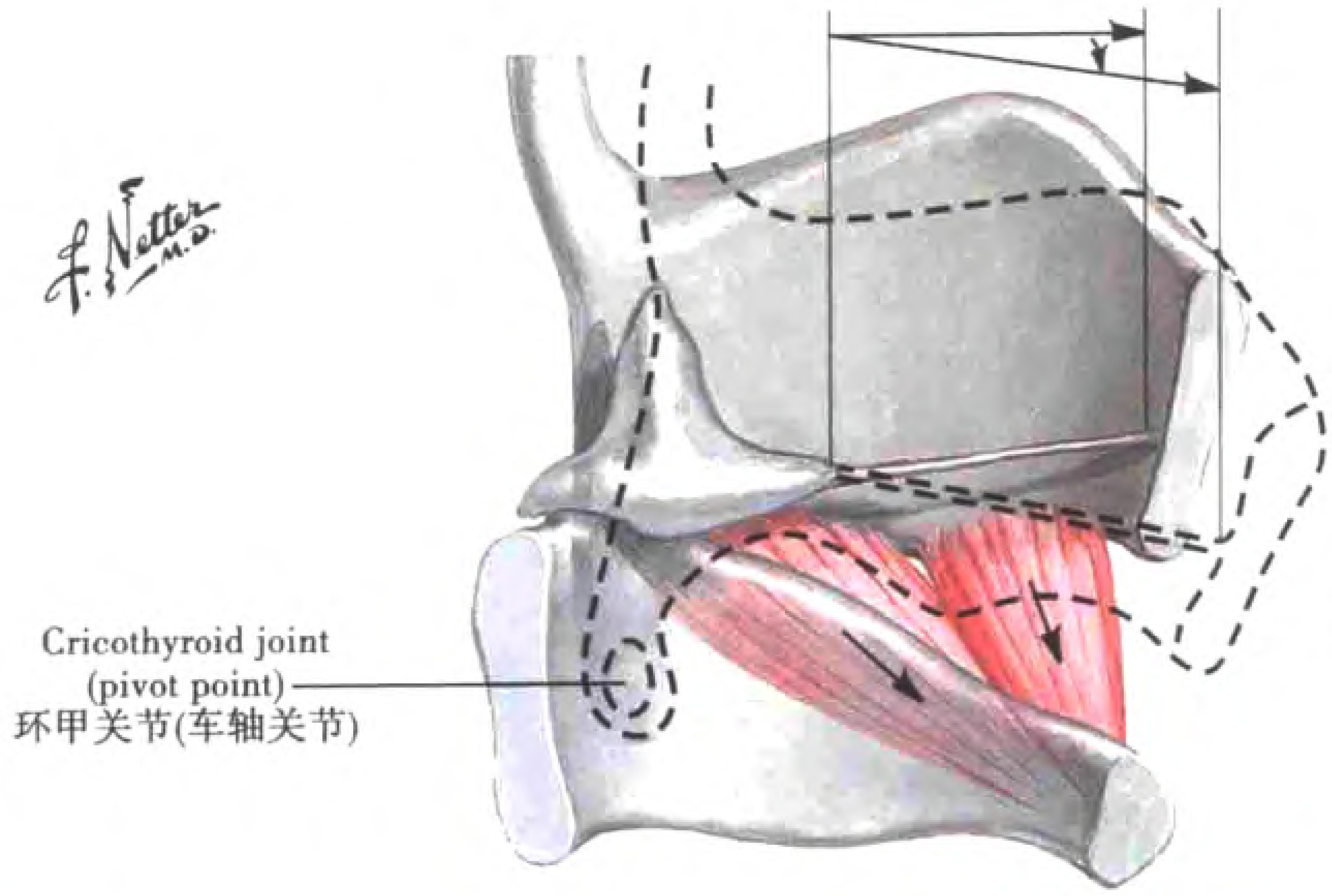
参见图80,81,82


Epiglottis 会厌
Hyoid bone 舌骨
Thyrohyoid membrane
甲状舌骨膜
Superior horn of thyroid cartilage
甲状软骨上角
小角软骨 Corniculate cartilage
杓状软骨 Arytenoid cartilage
Superior thyroid notch 甲状腺上切迹
Thyroid cartilage lamina
甲状软骨板
声韧带 Vocal ligament
Median cricothyroid ligament 环甲正中韧带
Inferior horn of thyroid cartilage
甲状软骨后角
Cricoid cartilage 环状软骨
Trachea
气管
前面观 Anterior view
Posterior view 后面观
杓关节面
环状软骨板
环状软骨弓
Cricoid
cartilage
环状软骨
Arytenoid
articular surface
Lamina
Arch
Corniculate cartilage 小角软骨
Muscular process
Vocal process
Arytenoid
cartilage
肌突
声带突
杓状软骨
前上面观 Anterosuperior view
Epiglottis 会厌
舌骨会厌韧带 Hyoepiglottic ligament
Hyoid bone 舌骨
Triticeal cartilage 麦粒软骨
Thyrohyoid membrane 甲状舌骨膜
Thyroid cartilage lamina
甲状软骨板
Oblique line 斜线
Laryngeal prominence 喉结
小角软骨 Corniculate cartilage
杓状软骨 Arytenoid cartilage
内侧
Median
Lateral
外侧
肌突 Muscular process
声带突 Vocal process
声韧带 Vocal ligament
Thyro-epiglottic ligament
甲状会厌韧带
Cricothyroid ligament 环甲韧带
Cricoid cartilage 环状软骨
Cricothyroid joint 环甲关节
Trachea
气管
Right lateral view
右侧面观
Medial view, median
(sagittal) section
内侧面观,正中(矢状)断面
F. Netter M.D.

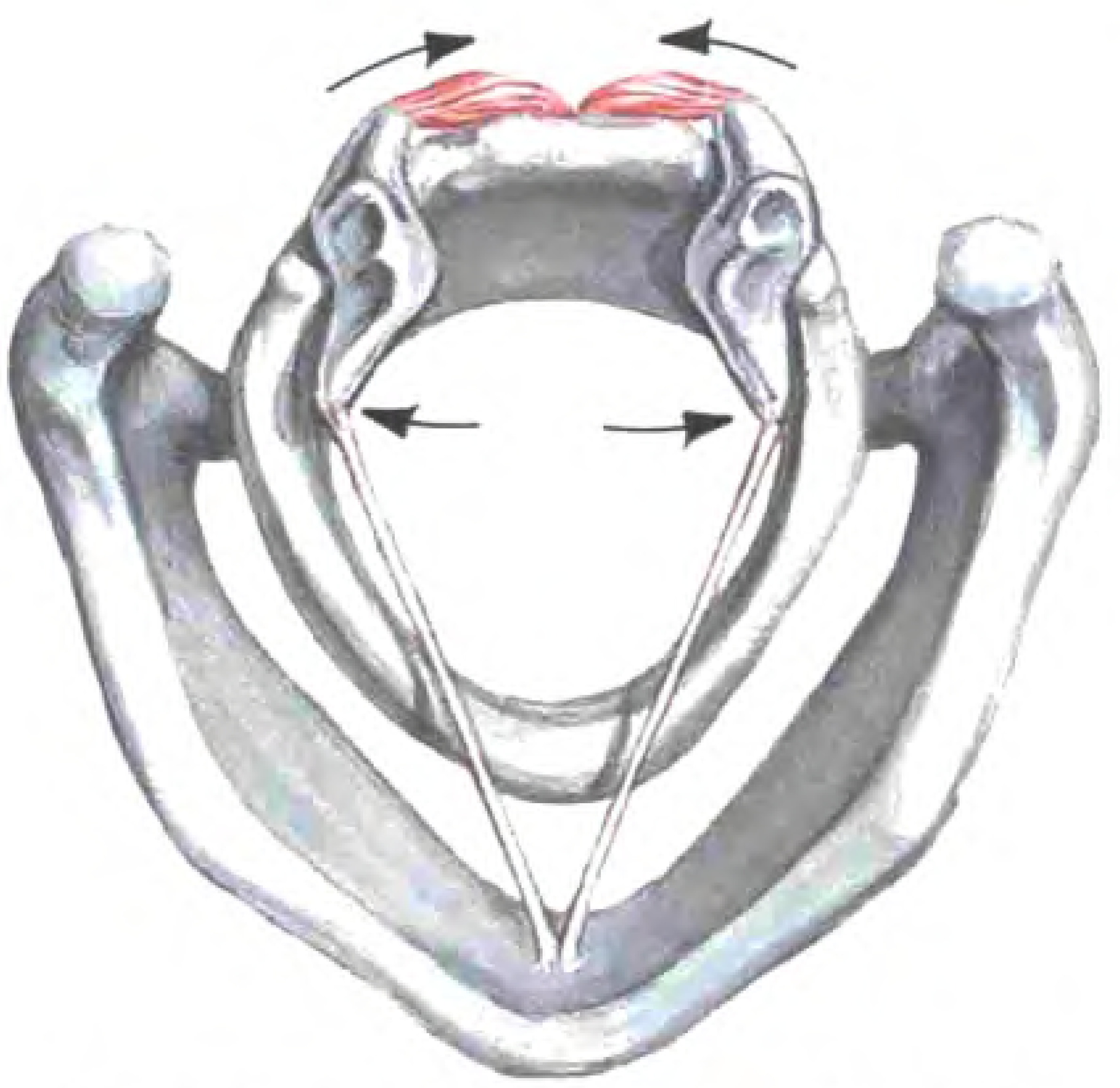
参见图 79,81,82



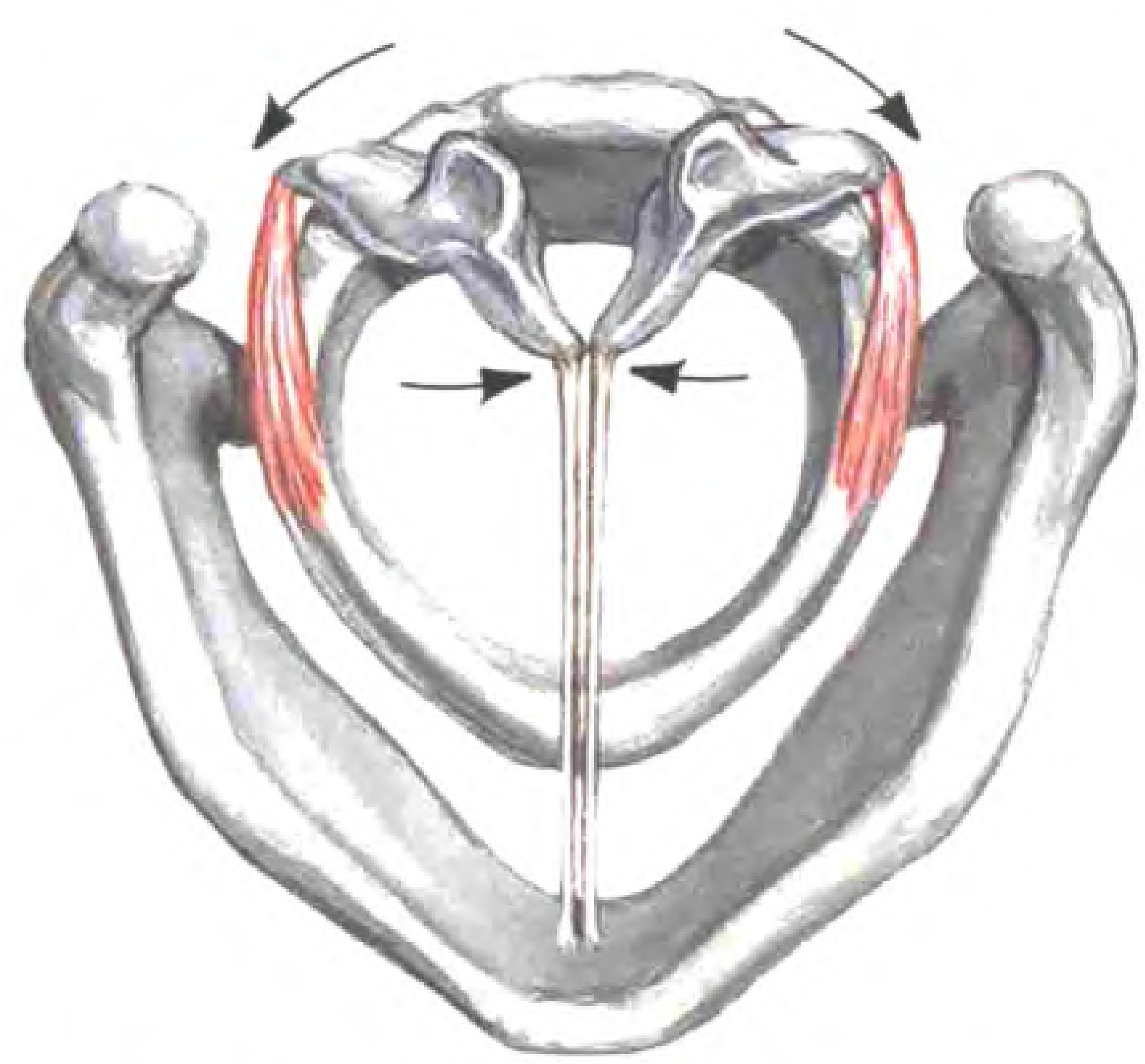
Epiglottis 会厌
Ary-epiglottic fold 杓会厌襞
Cuneiform tubercle 楔状结节
Corniculate tubercle 小角结节
Ary-epiglottic part of oblique arytenoid muscle 杓斜肌的杓会厌部
Oblique arytenoid muscle 杓斜肌
Transverse arytenoid muscle 杓横肌
Posterior crico-arytenoid muscle 环杓后肌
Cricoid cartilage 环状软骨
后面观 Posterior view
Foramen for superior laryngeal vessels and internal branch of superior laryngeal nerve
喉上血管与喉上神经内支通过的孔
Oblique and transverse arytenoid muscles 杓斜肌与杓横肌
Posterior crico-arytenoid muscle 环杓后肌
Straight part / Oblique part
Cricothyroid muscle 环甲肌
直部 / 斜部
Right lateral view 右侧面观
Epiglottis 会厌
构斜肌的 Ary-epiglottic part of
构会厌部 oblique arytenoid muscle
Thyro-epiglottic part of 甲杓肌的甲状会咽部
thyro-arytenoid muscle
杓斜肌与 Oblique and transverse
杓横肌 arytenoid muscles
Thyro-arytenoid muscle 甲杓肌
Arytenoid cartilage 杓状软骨
Muscular process 肌突
Vocal process 声带突
Lateral crico-arytenoid muscle 环杓侧肌
Lamina of cricoid cartilage 环状软骨板
Posterior crico-arytenoid muscle 环杓后肌
弹性圆锥 Conus elasticus
甲状关节面 Thyroid articular surface
Lateral crico-arytenoid muscle 环杓侧肌
Cricothyroid muscle (cut away) 环甲肌(切除)
构横肌与构斜肌
Transverse and oblique arytenoid muscles
Lateral dissection 外侧面解剖
Conus elasticus 弹性圆锥
舌根(舌扁桃体) Root of tongue (lingual tonsil)
环甲肌 Cricothyroid muscle
Median glossoepiglottic ligament 舌会厌正中韧带
Epiglottis 会厌
甲杓肌 Thyro-arytenoid muscle
声襞 Vocal fold
(真声带) (true cords)
Ventricular folds (false cords) 喉室襞(假声带)
Vocalis muscle 声带肌
Lamina of thyroid cartilage 甲状软骨板
Vocal ligament 声韧带
气管 Trachea
Ary-epiglottic fold 杓会厌襞
Superior view 上面观
梨状隐窝 Piriform fossa
Cuneiform tubercle 楔状结节
小角结节 Corniculate tubercle
Esophagus 食管
Normal larynx: inspiration 正常喉: 吸气时



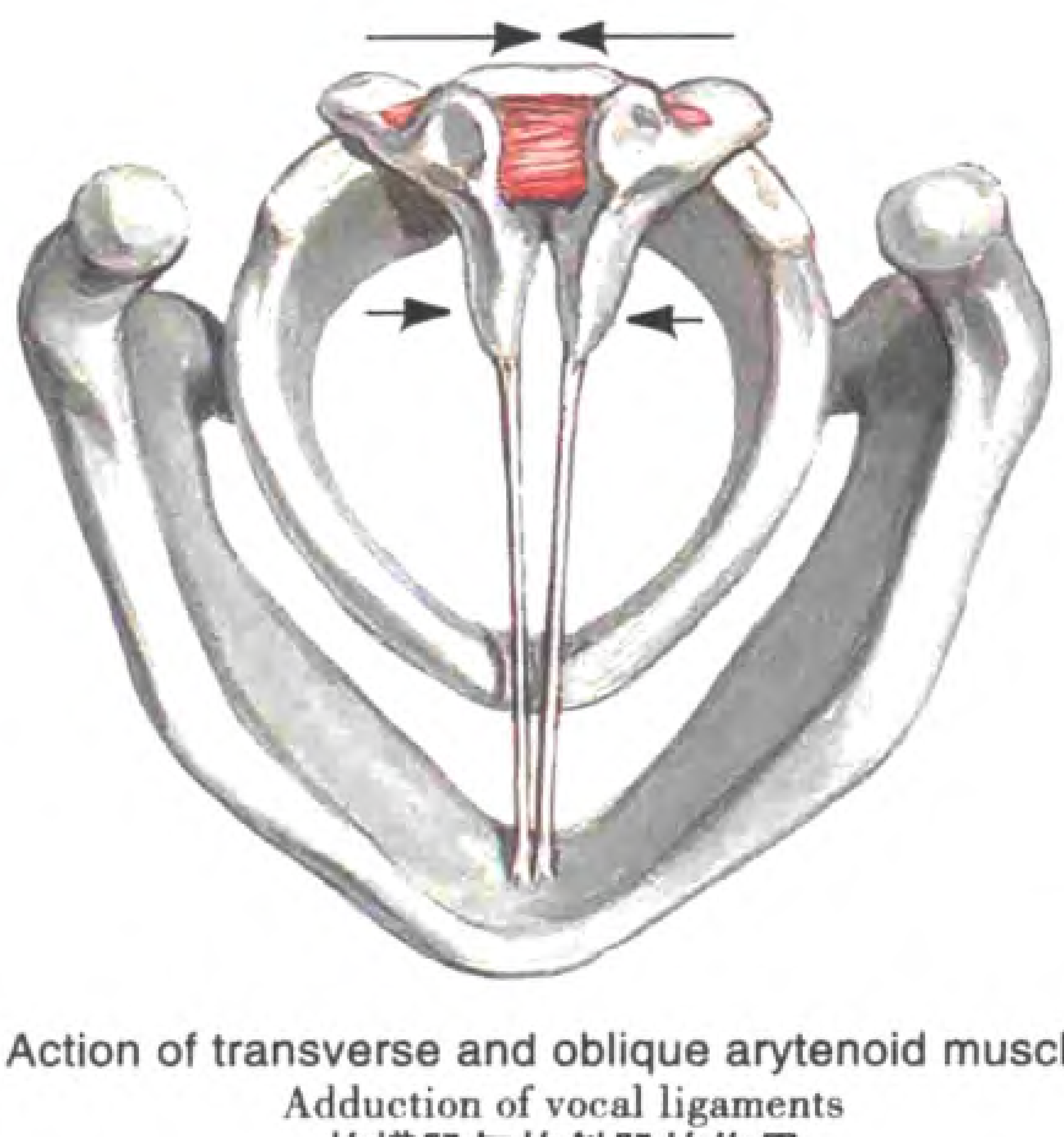
Action of cricothyroid muscles
Lengthening (increasing tension) of vocal ligaments
环甲肌的作用
拉伸声韧带(增加紧张度)



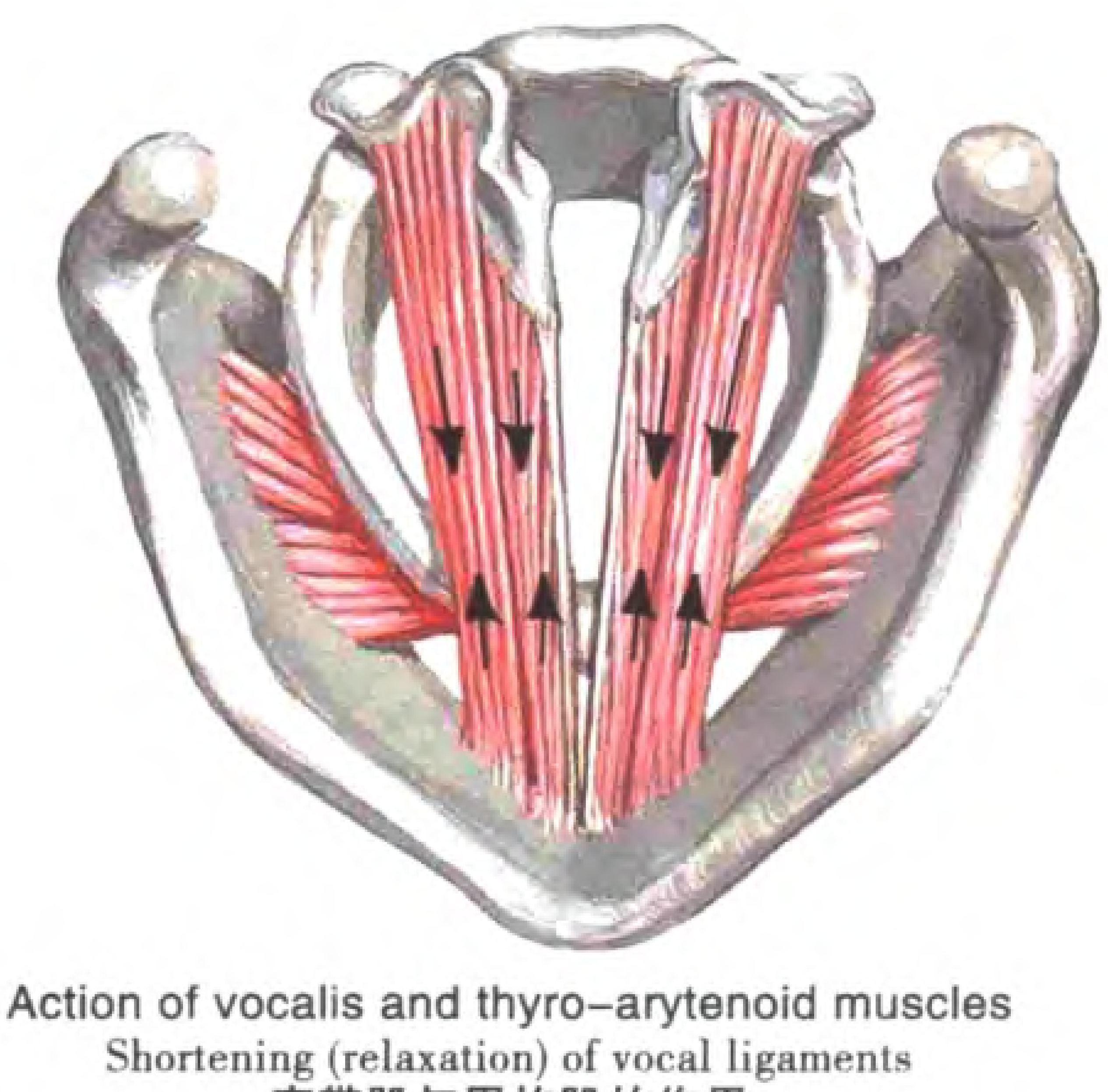
Action of posterior crico-arytenoid muscles
Abduction of vocal ligaments
环杓后肌的作用
外展声韧带



Action of lateral crico-arytenoid muscles
Adduction of vocal ligaments
环杓侧肌的作用
内收声韧带



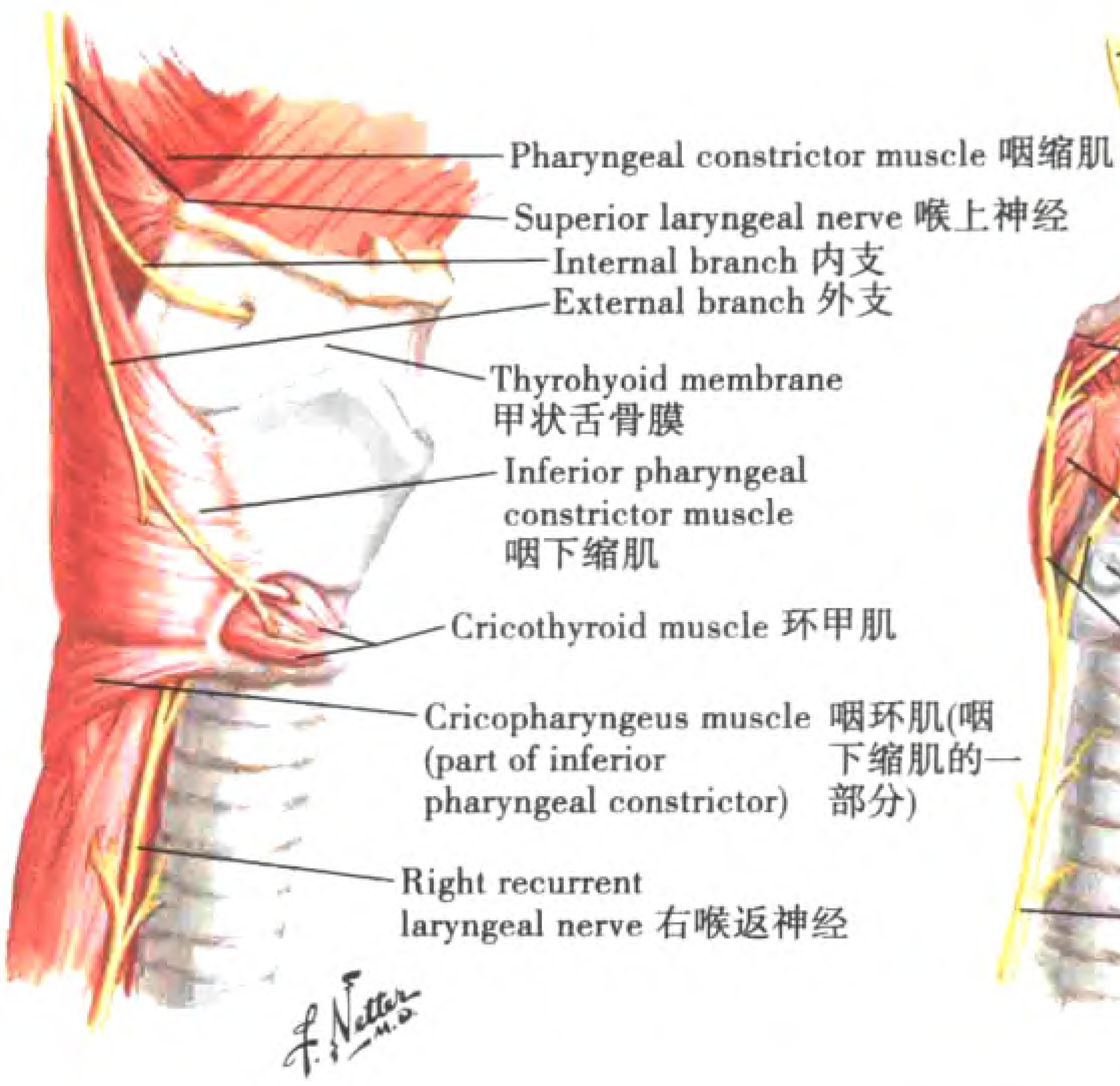
Action of transverse and oblique arytenoid muscles
Adduction of vocal ligaments
杓横肌与杓斜肌的作用
内收声韧带

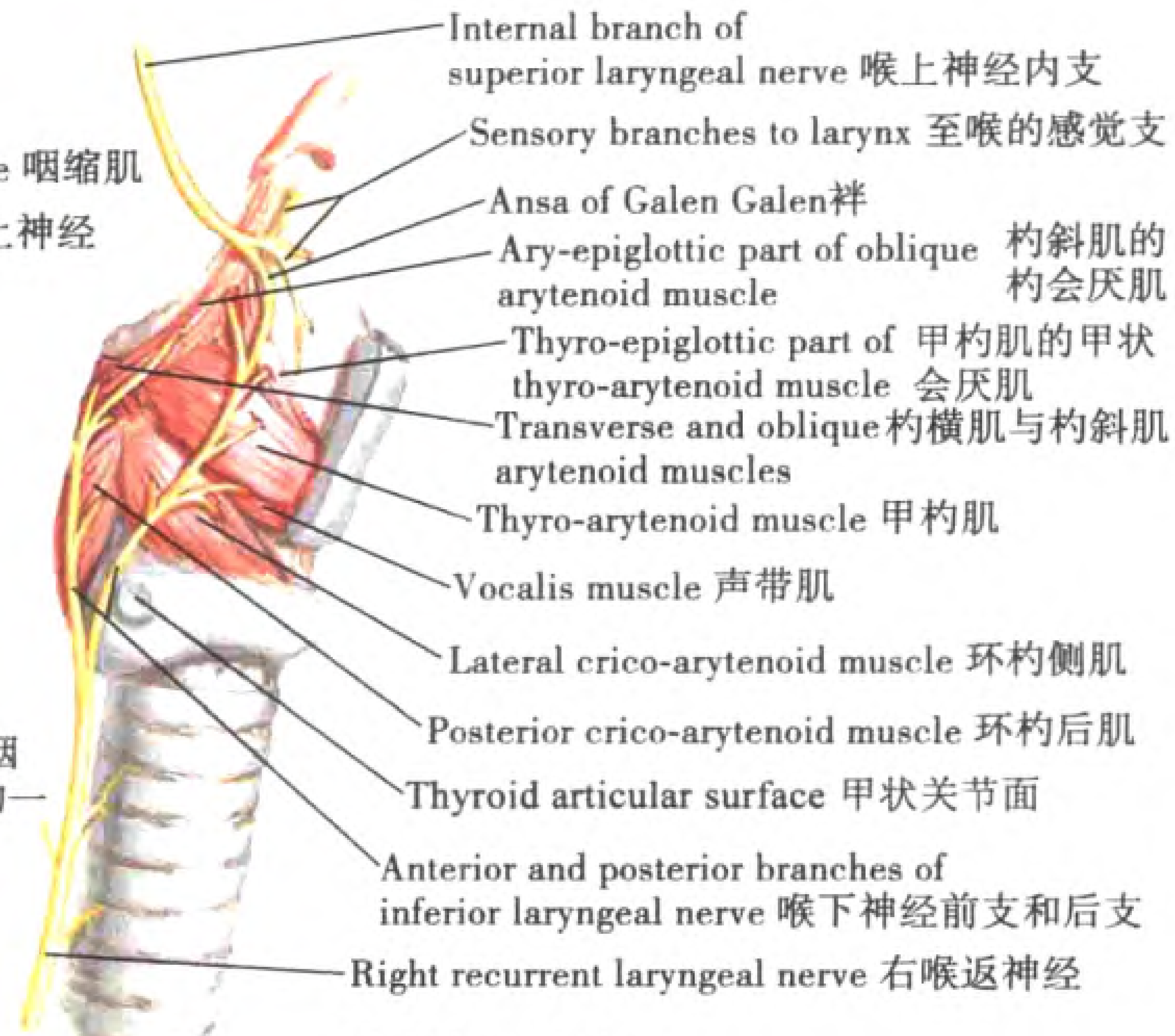


Action of vocalis and thyro-arytenoid muscles
Shortening (relaxation) of vocal ligaments
声带肌与甲杓肌的作用
缩短(松弛)声韧带

喉的神经

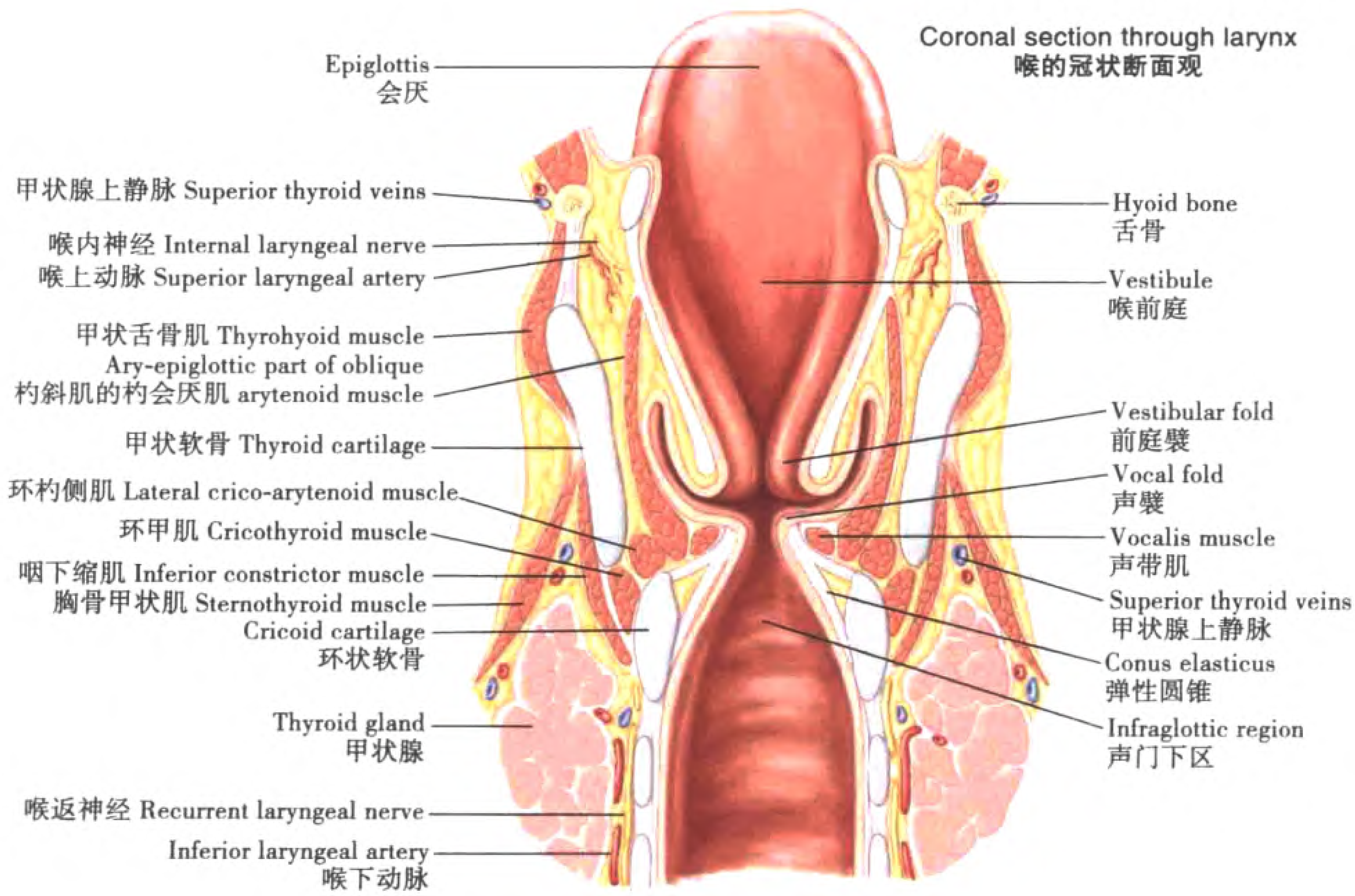
参见图 79,80,81





Right lateral view:
thyroid cartilage lamina removed
右侧面观：切除甲状软骨板

Coronal section through larynx
喉的冠状断面观



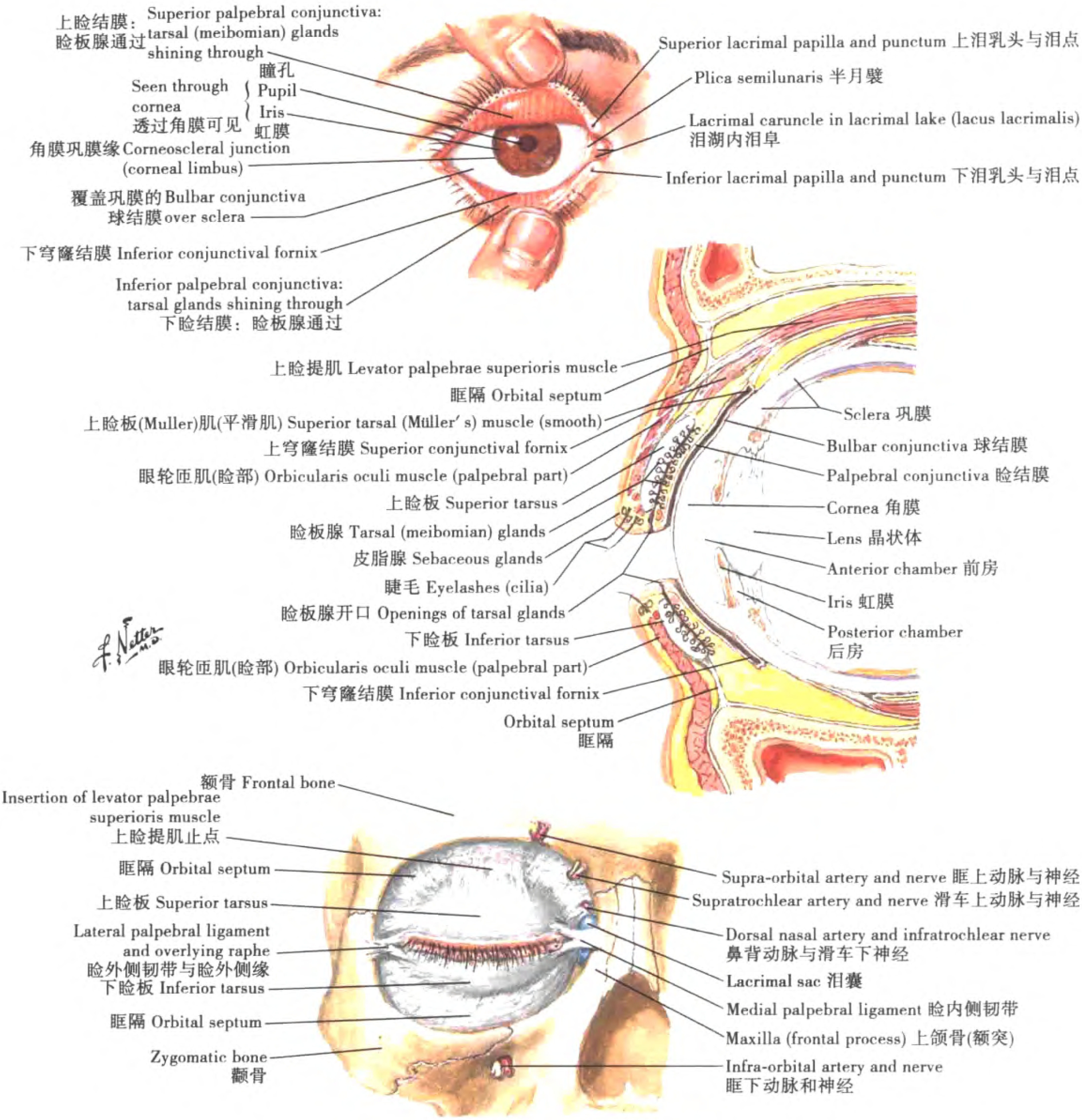
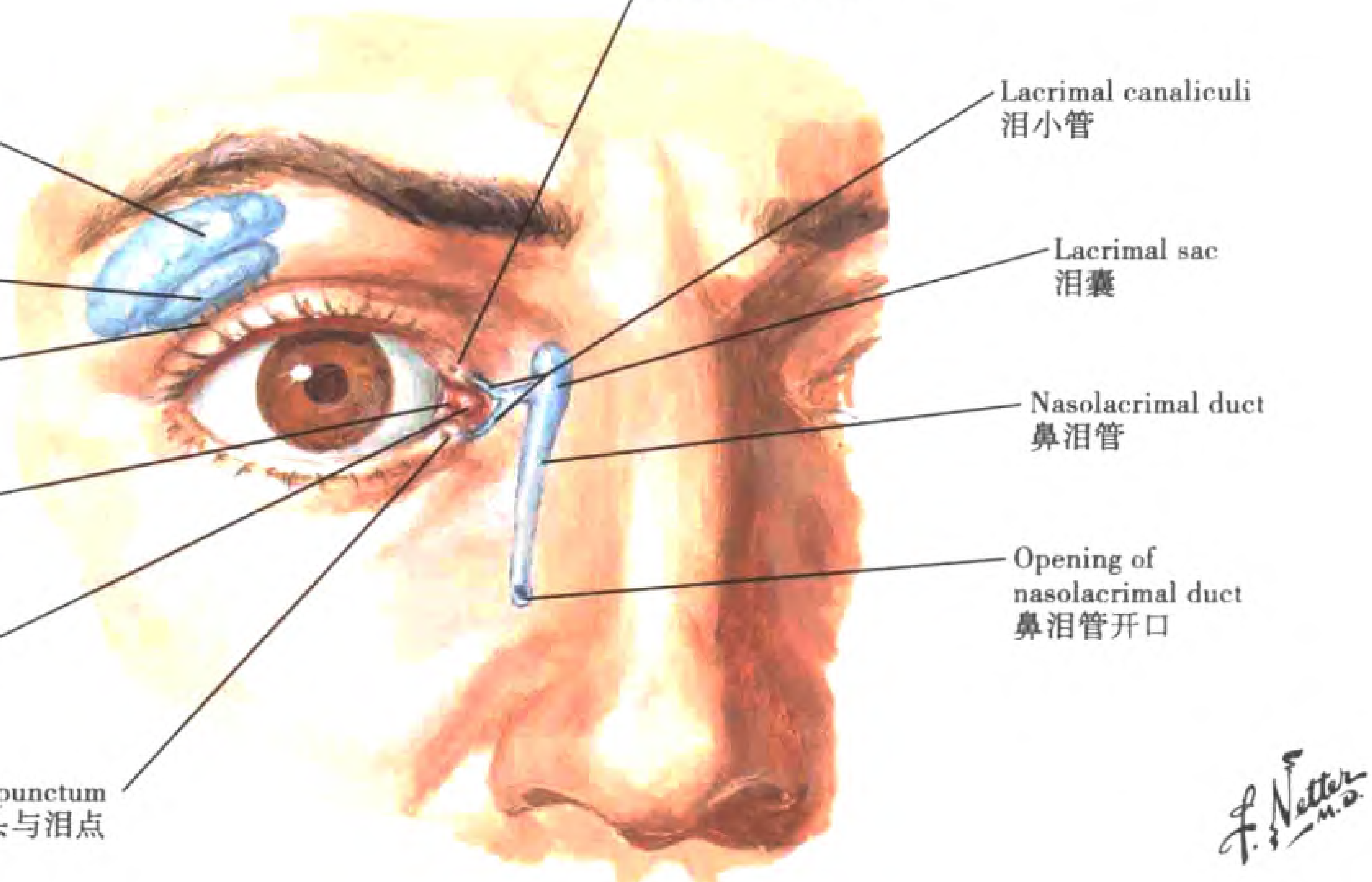
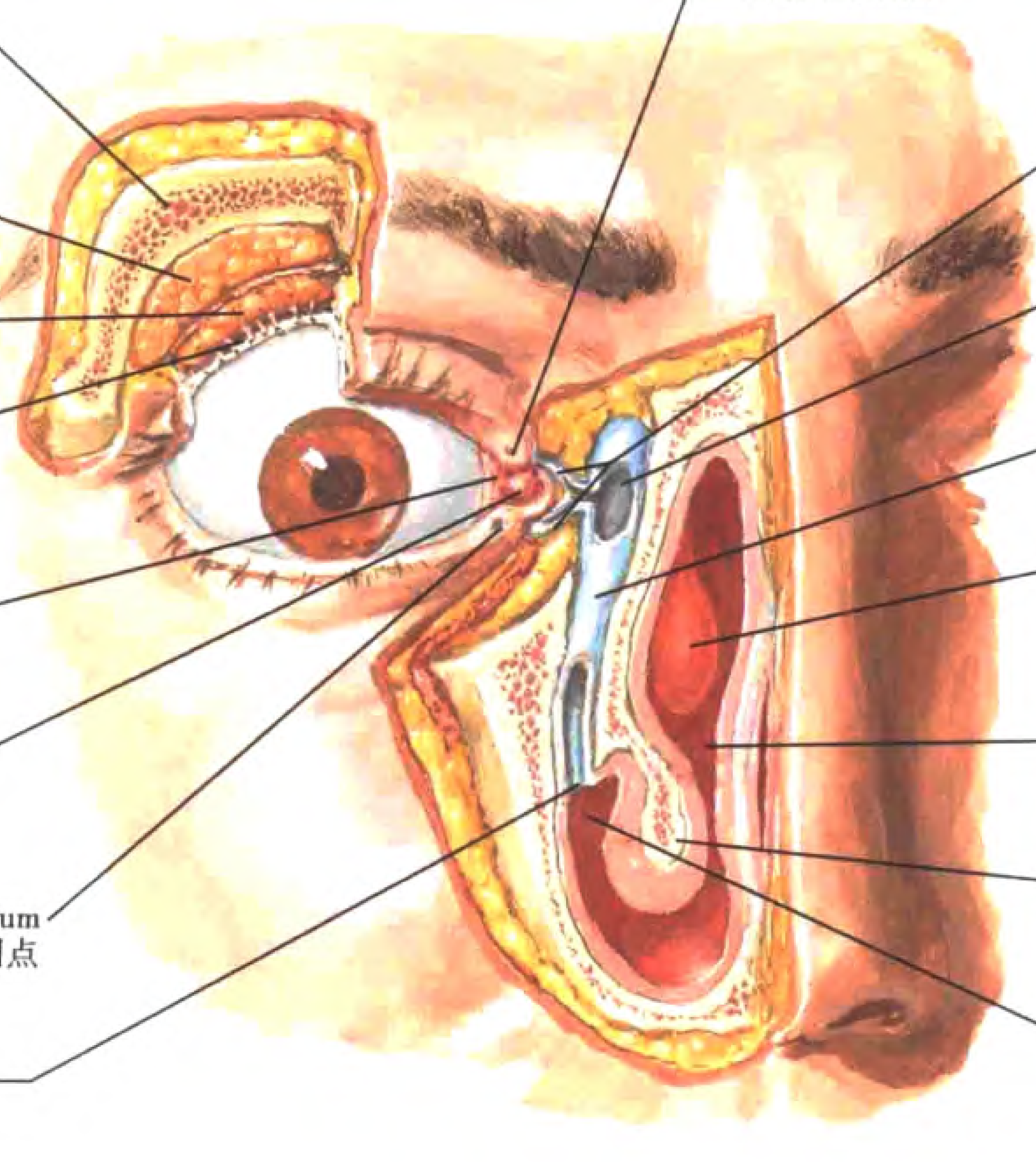

上睑结膜：睑板腺通过 Superior palpebral conjunctiva: tarsal (meibomian) glands shining through
Seen through cornea 透过角膜可见
瞳孔 Pupil
Iris 虹膜
角膜巩膜缘 Corneoscleral junction (corneal limbus)
覆盖巩膜的球结膜 Bulbar conjunctiva over sclera
下穹窿结膜 Inferior conjunctival fornix
Inferior palpebral conjunctiva: tarsal glands shining through 下睑结膜：睑板腺通过
Superior lacrimal papilla and punctum 上泪乳头与泪点
Plica semilunaris 半月襞
Lacrimal caruncle in lacrimal lake (lacus lacrimalis) 泪湖内泪阜
Inferior lacrimal papilla and punctum 下泪乳头与泪点
上睑提肌 Levator palpebrae superioris muscle
眶隔 Orbital septum
上睑板(Muller)肌(平滑肌) Superior tarsal (Müller' s) muscle (smooth)
上穹窿结膜 Superior conjunctival fornix
眼轮匝肌(睑部) Orbicularis oculi muscle (palpebral part)
上睑板 Superior tarsus
睑板腺 Tarsal (meibomian) glands
皮脂腺 Sebaceous glands
睫毛 Eyelashes (cilia)
睑板腺开口 Openings of tarsal glands
下睑板 Inferior tarsus
眼轮匝肌(睑部) Orbicularis oculi muscle (palpebral part)
下穹窿结膜 Inferior conjunctival fornix
Orbital septum 眶隔
Sclera 巩膜
Bulbar conjunctiva 球结膜
Palpebral conjunctiva 睑结膜
Cornea 角膜
Lens 晶状体
Anterior chamber 前房
Iris 虹膜
Posterior chamber 后房
F. Netter M.D.
额骨 Frontal bone
Insertion of levator palpebrae superioris muscle 上睑提肌止点
眶隔 Orbital septum
上睑板 Superior tarsus
Lateral palpebral ligament and overlying raphe 睑外侧韧带与睑外侧缘
下睑板 Inferior tarsus
眶隔 Orbital septum
Zygomatic bone 颧骨
Supra-orbital artery and nerve 眶上动脉与神经
Supratrochlear artery and nerve 滑车上动脉与神经
Dorsal nasal artery and infratrochlear nerve 鼻背动脉与滑车下神经
Lacrimal sac 泪囊
Medial palpebral ligament 睑内侧韧带
Maxilla (frontal process) 上颌骨(额突)
Infra-orbital artery and nerve 眶下动脉和神经

图 83 眶及内容物


Superior lacrimal papilla and punctum
上泪乳头与泪点
Orbital part of lacrimal gland
泪腺眶部
Lacrimal canaliculi
泪小管
Palpebral part of lacrimal gland
泪腺睑部
Lacrimal sac
泪囊
Excretory ducts of lacrimal gland
泪腺排泄管
Nasolacrimal duct
鼻泪管
Plica semilunaris
半月襞
Opening of nasolacrimal duct
鼻泪管开口
Lacrimal caruncle
泪阜
Inferior lacrimal papilla and punctum
下泪乳头与泪点


Superior lacrimal papilla and punctum
上泪乳头与泪点
Frontal bone (cut away)
额骨(切除)
Orbital part of lacrimal gland
泪腺眶部
Lacrimal canaliculi
泪小管
Palpebral part of lacrimal gland
泪腺睑部
Lacrimal sac
泪囊
Nasolacrimal duct
鼻泪管
Excretory ducts of lacrimal gland
泪腺排泄管
Middle nasal concha
中鼻甲
Plica semilunaris and lacrimal lake
半月襞与泪湖
Nasal cavity
鼻腔
Lacrimal caruncle
泪阜
Inferior nasal concha (cut)
下鼻甲(切开)
Inferior lacrimal papilla and punctum
下泪乳头与泪点
Opening of nasolacrimal duct and site of Hasner's valve
鼻泪管开口与Hasner瓣
Inferior nasal meatus
下鼻道

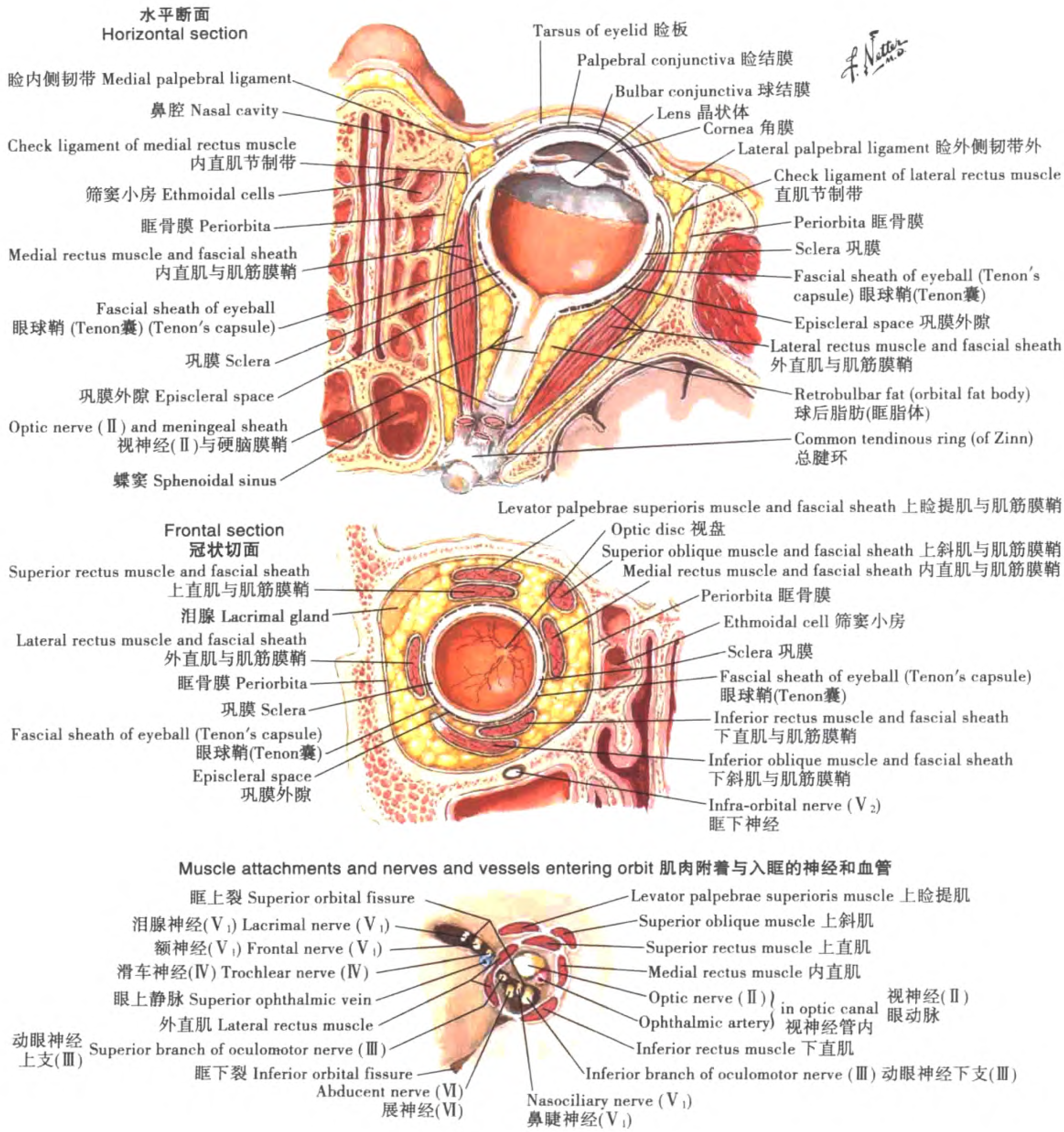
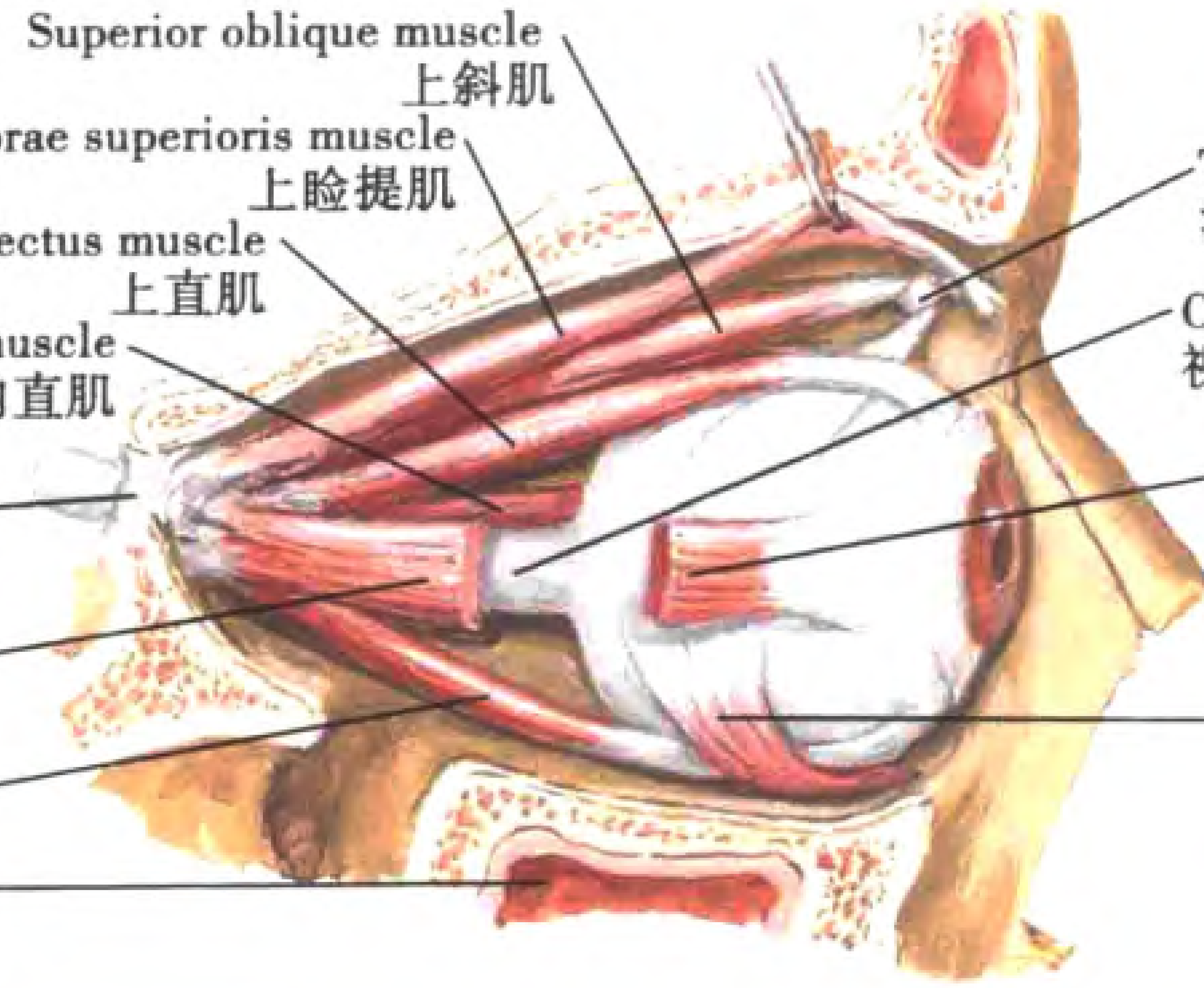
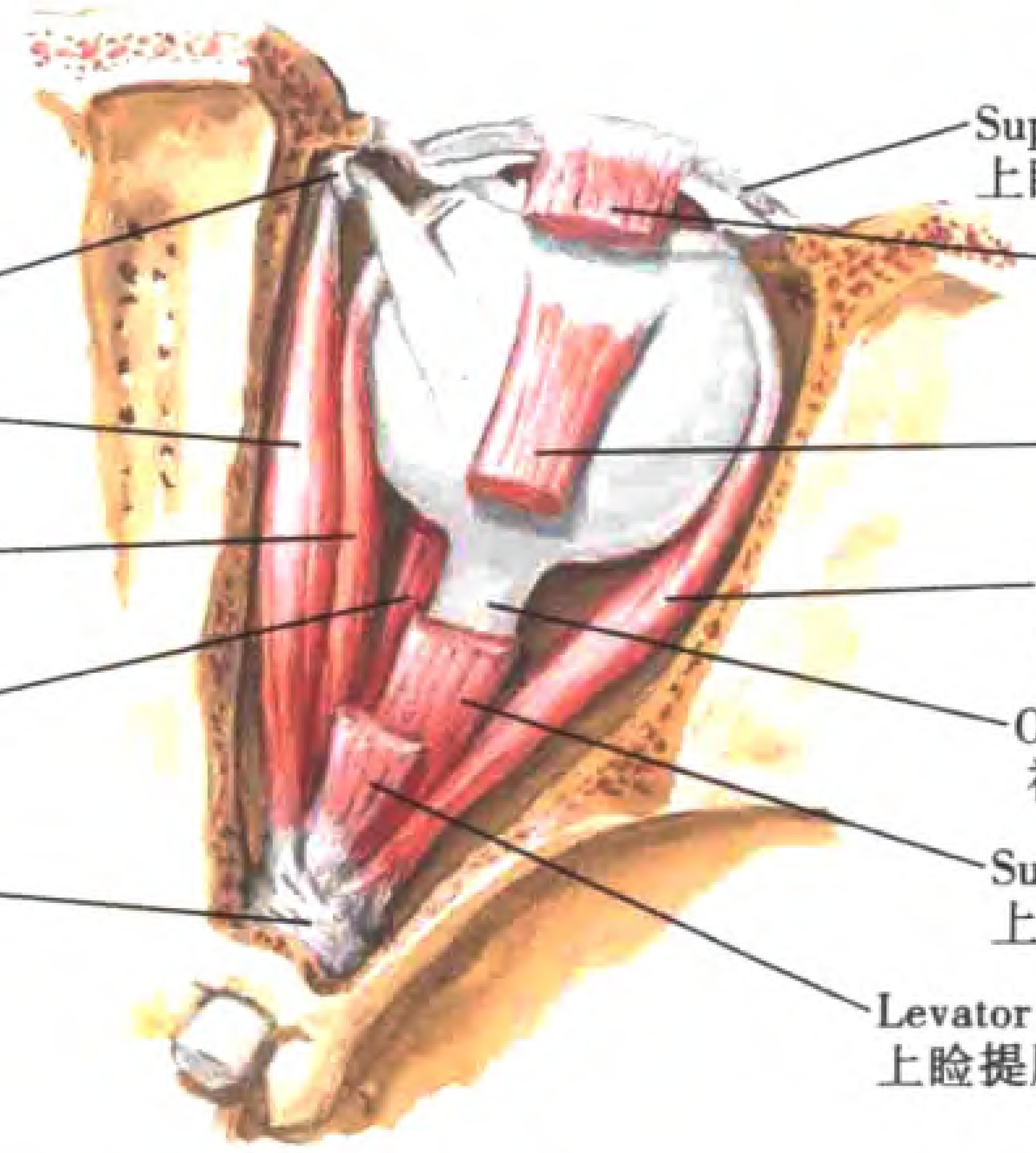

水平断面
Horizontal section
Tarsus of eyelid 睑板
Palpebral conjunctiva 睑结膜
Bulbar conjunctiva 球结膜
Lens 晶状体
Cornea 角膜
Lateral palpebral ligament 睑外侧韧带外
Check ligament of lateral rectus muscle
直肌节制带
Periorbita 眶骨膜
Sclera 巩膜
Fascial sheath of eyeball (Tenon's capsule) 眼球鞘(Tenon囊)
Episcleral space 巩膜外隙
Lateral rectus muscle and fascial sheath
外直肌与肌筋膜鞘
Retrobulbar fat (orbital fat body)
球后脂肪(眶脂体)
Common tendinous ring (of Zinn)
总腱环
睑内侧韧带 Medial palpebral ligament
鼻腔 Nasal cavity
Check ligament of medial rectus muscle
内直肌节制带
筛窦小房 Ethmoidal cells
眶骨膜 Periorbita
Medial rectus muscle and fascial sheath
内直肌与肌筋膜鞘
Fascial sheath of eyeball
眼球鞘 (Tenon囊) (Tenon's capsule)
巩膜 Sclera
巩膜外隙 Episcleral space
Optic nerve (Ⅱ) and meningeal sheath
视神经(Ⅱ)与硬脑膜鞘
蝶窦 Sphenoidal sinus
Frontal section
冠状切面
Levator palpebrae superioris muscle and fascial sheath 上睑提肌与肌筋膜鞘
Optic disc 视盘
Superior oblique muscle and fascial sheath 上斜肌与肌筋膜鞘
Medial rectus muscle and fascial sheath 内直肌与肌筋膜鞘
Periorbita 眶骨膜
Ethmoidal cell 筛窦小房
Sclera 巩膜
Fascial sheath of eyeball (Tenon's capsule)
眼球鞘(Tenon囊)
Inferior rectus muscle and fascial sheath
下直肌与肌筋膜鞘
Inferior oblique muscle and fascial sheath
下斜肌与肌筋膜鞘
Infra-orbital nerve (V2)
眶下神经
Superior rectus muscle and fascial sheath
上直肌与肌筋膜鞘
泪腺 Lacrimal gland
Lateral rectus muscle and fascial sheath
外直肌与肌筋膜鞘
眶骨膜 Periorbita
巩膜 Sclera
Fascial sheath of eyeball (Tenon's capsule)
眼球鞘(Tenon囊)
Episcleral space
巩膜外隙
Muscle attachments and nerves and vessels entering orbit 肌肉附着与入眶的神经和血管
眶上裂 Superior orbital fissure
泪腺神经(V1) Lacrimal nerve (V1)
额神经(V1) Frontal nerve (V1)
滑车神经(Ⅳ) Trochlear nerve (Ⅳ)
眼上静脉 Superior ophthalmic vein
外直肌 Lateral rectus muscle
动眼神经上支(Ⅲ) Superior branch of oculomotor nerve (Ⅲ)
眶下裂 Inferior orbital fissure
Abducent nerve (Ⅵ)
展神经(Ⅵ)
Nasociliary nerve (V1)
鼻睫神经(V1)
Levator palpebrae superioris muscle 上睑提肌
Superior oblique muscle 上斜肌
Superior rectus muscle 上直肌
Medial rectus muscle 内直肌
Optic nerve (Ⅱ) 视神经(Ⅱ)
Ophthalmic artery 眼动脉
in optic canal 视神经管内
Inferior rectus muscle 下直肌
Inferior branch of oculomotor nerve (Ⅲ) 动眼神经下支(Ⅲ)

图 85 眶及内容物

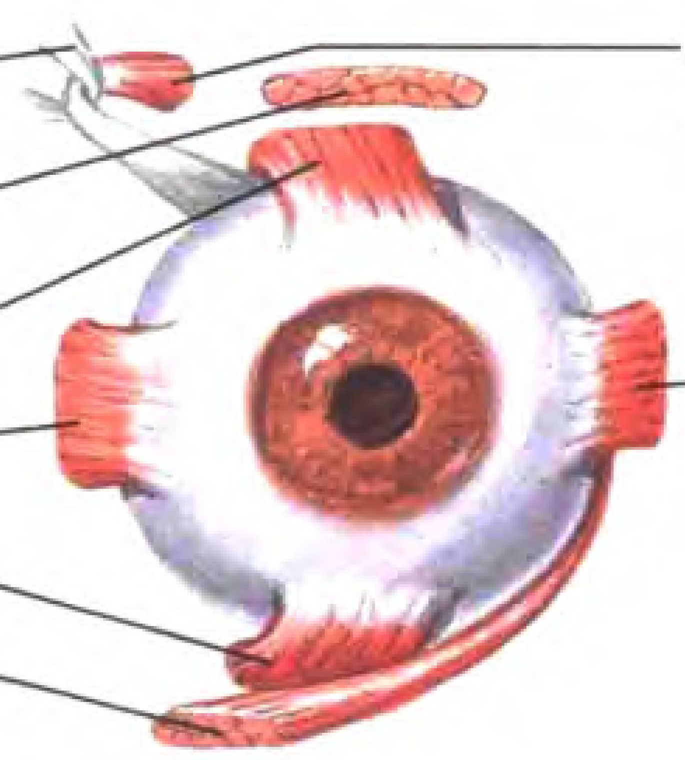
右外侧面观 Right lateral view



上面观
Superior view

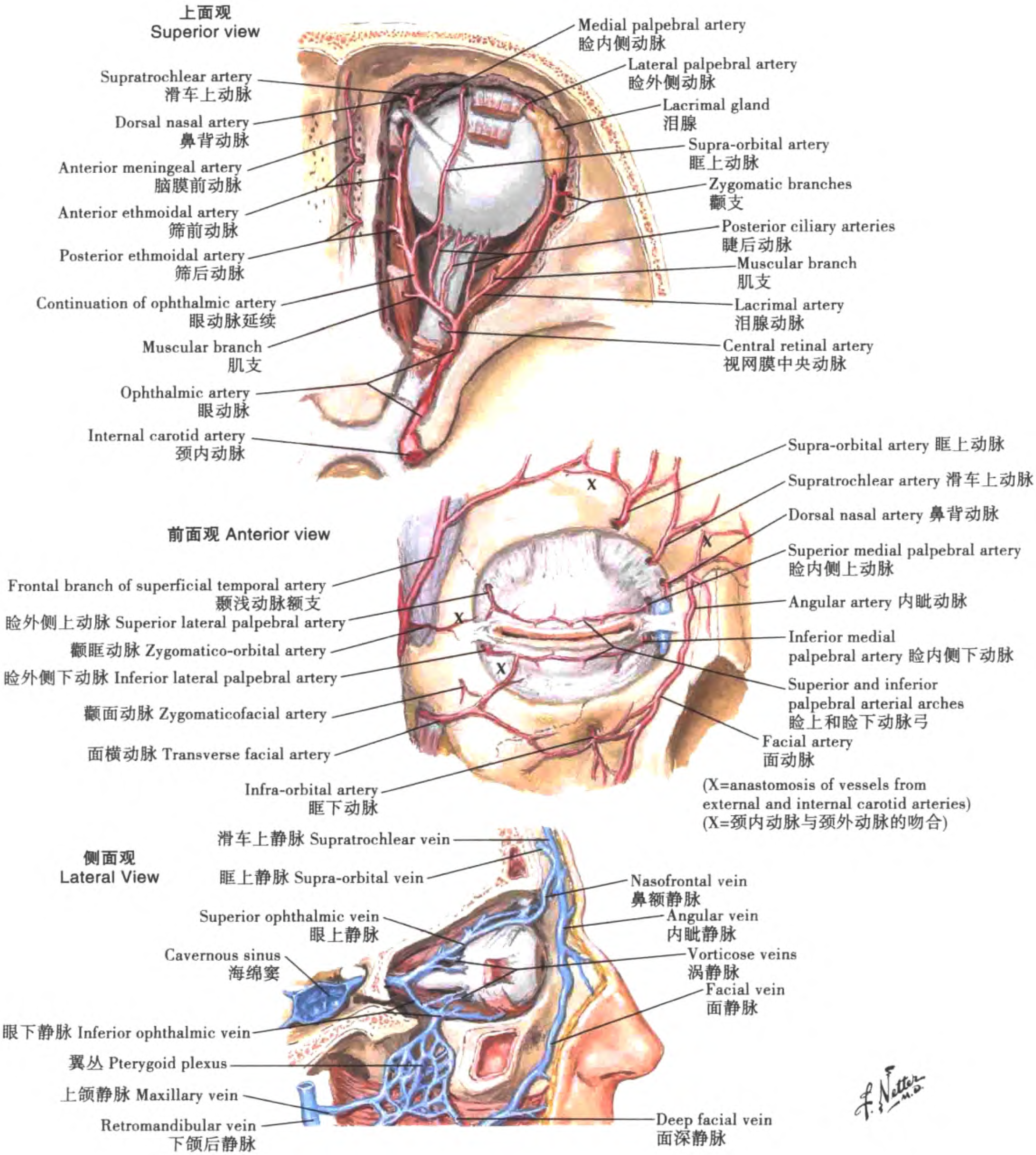


眼外肌的神经支配：前面观
Innervation of extrinsic eye muscles: anterior view



眶与眼睑的动脉和静脉

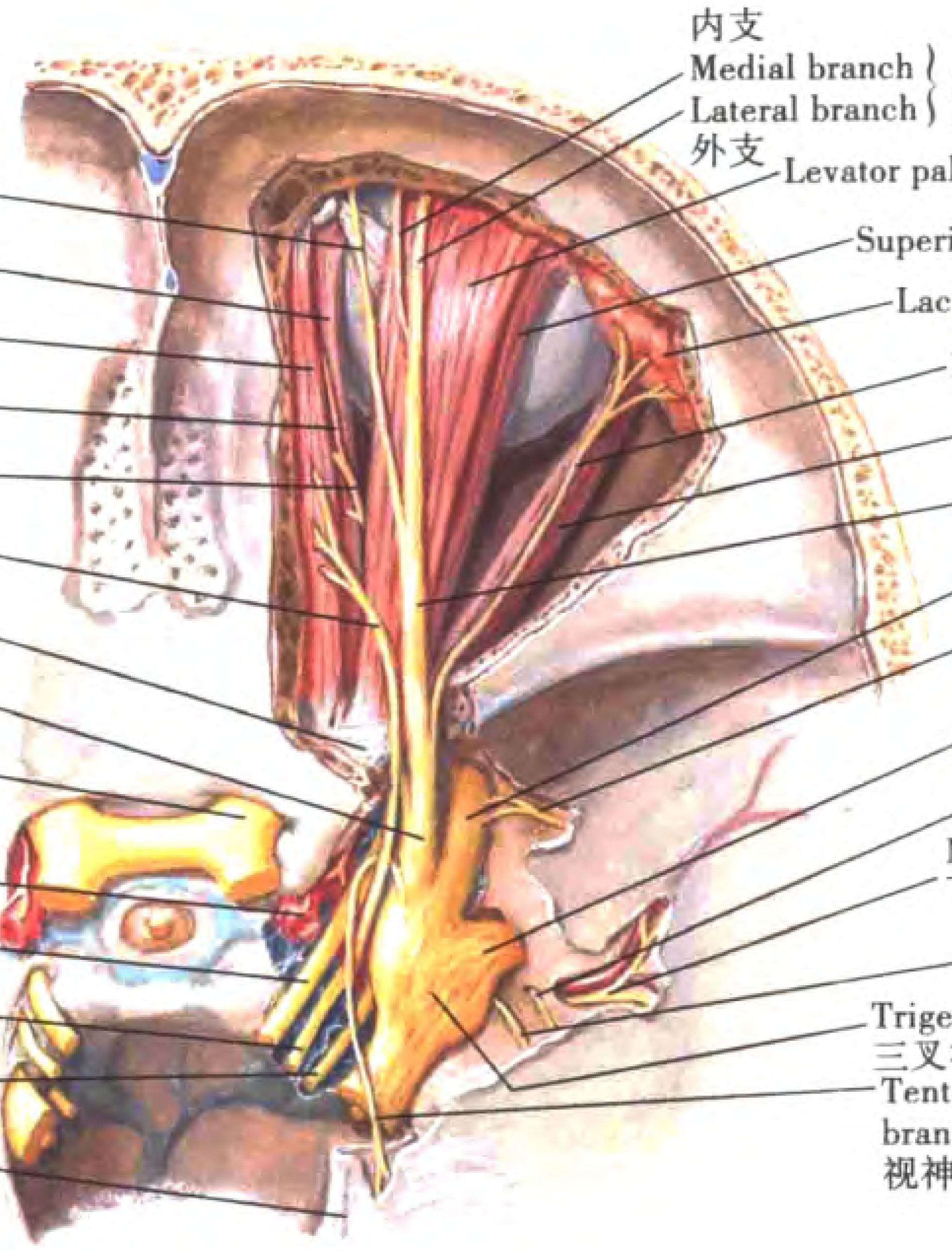
参见图 3,105



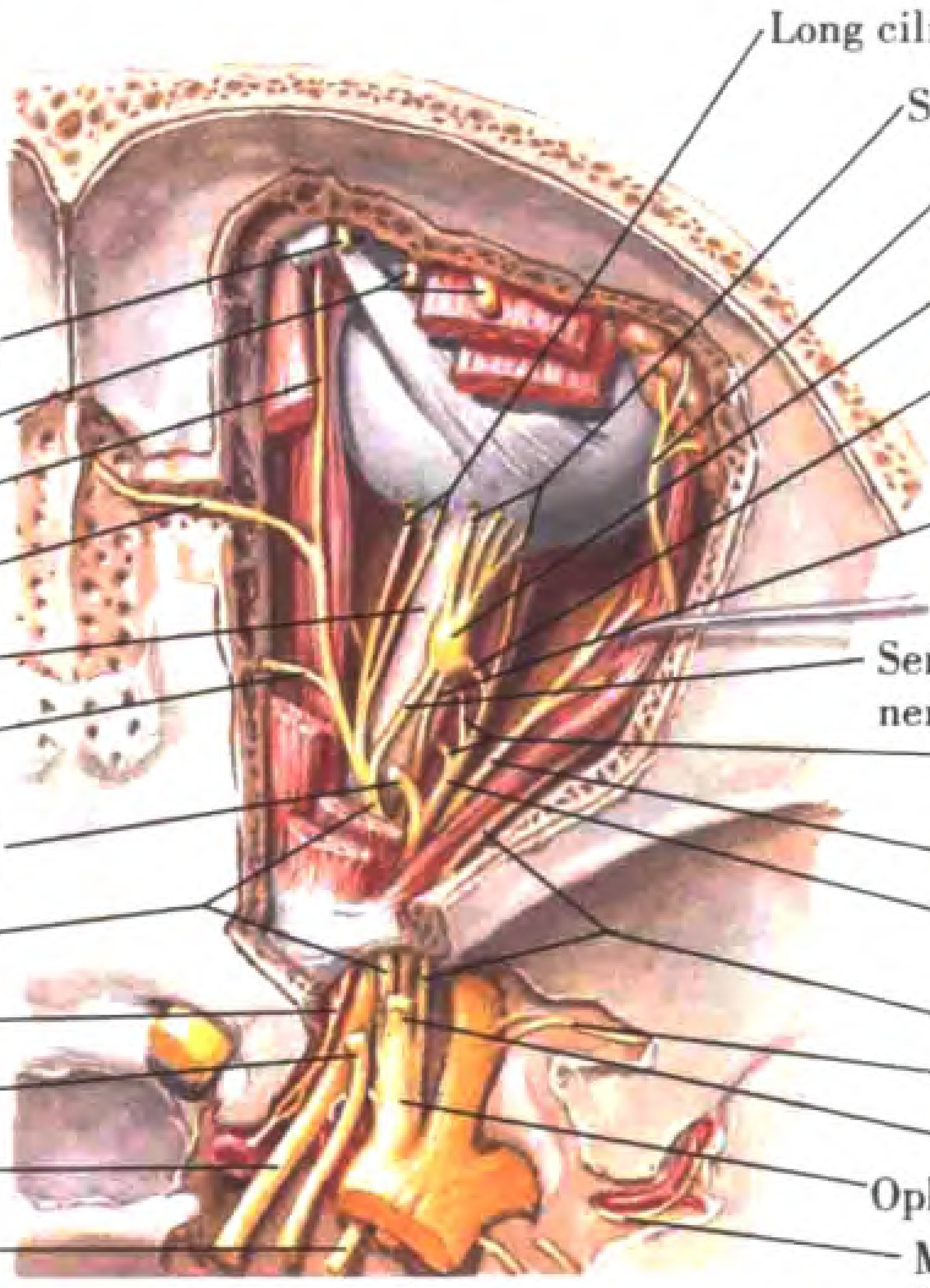
眶的神经

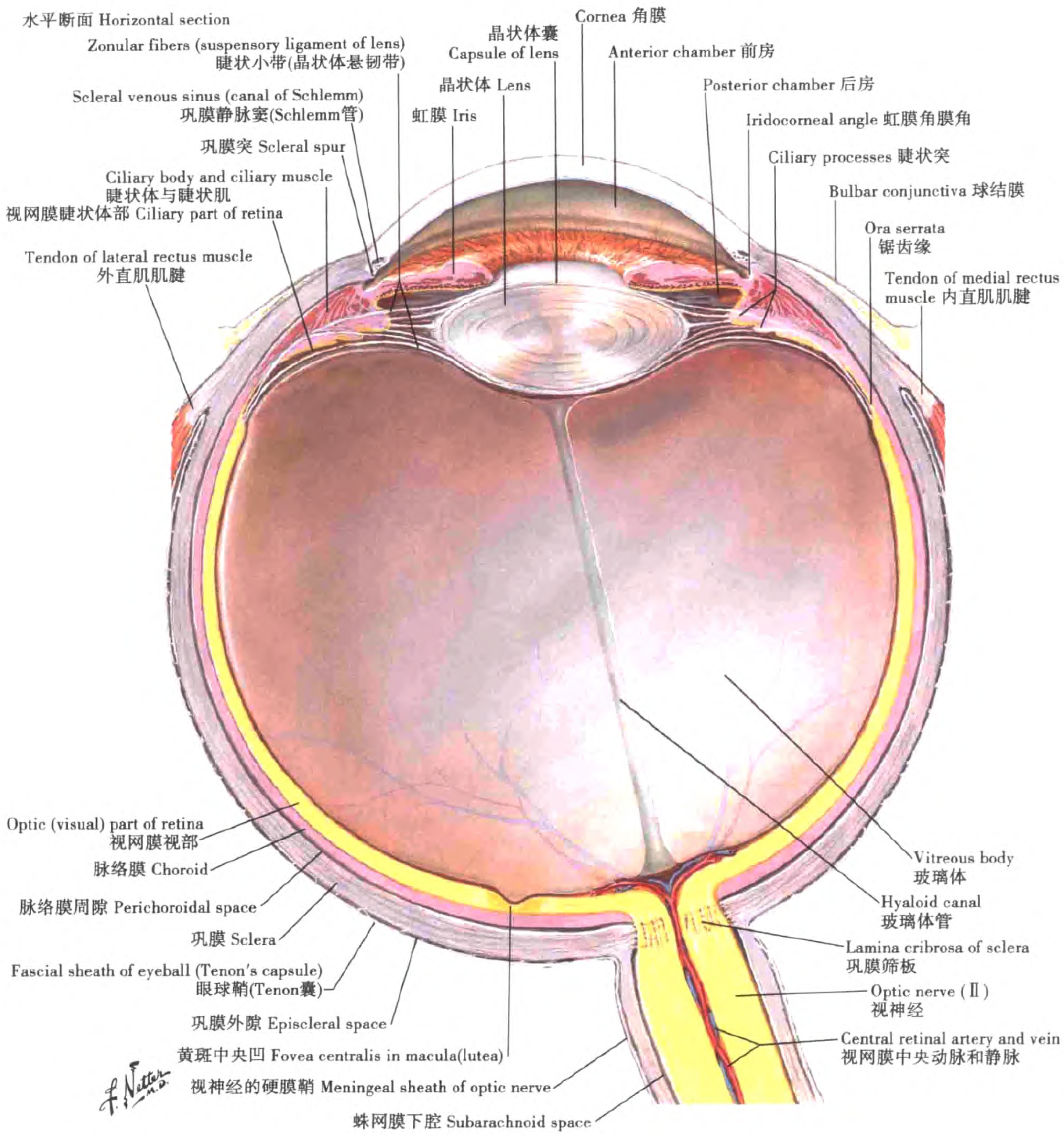
参见图 52,122,123

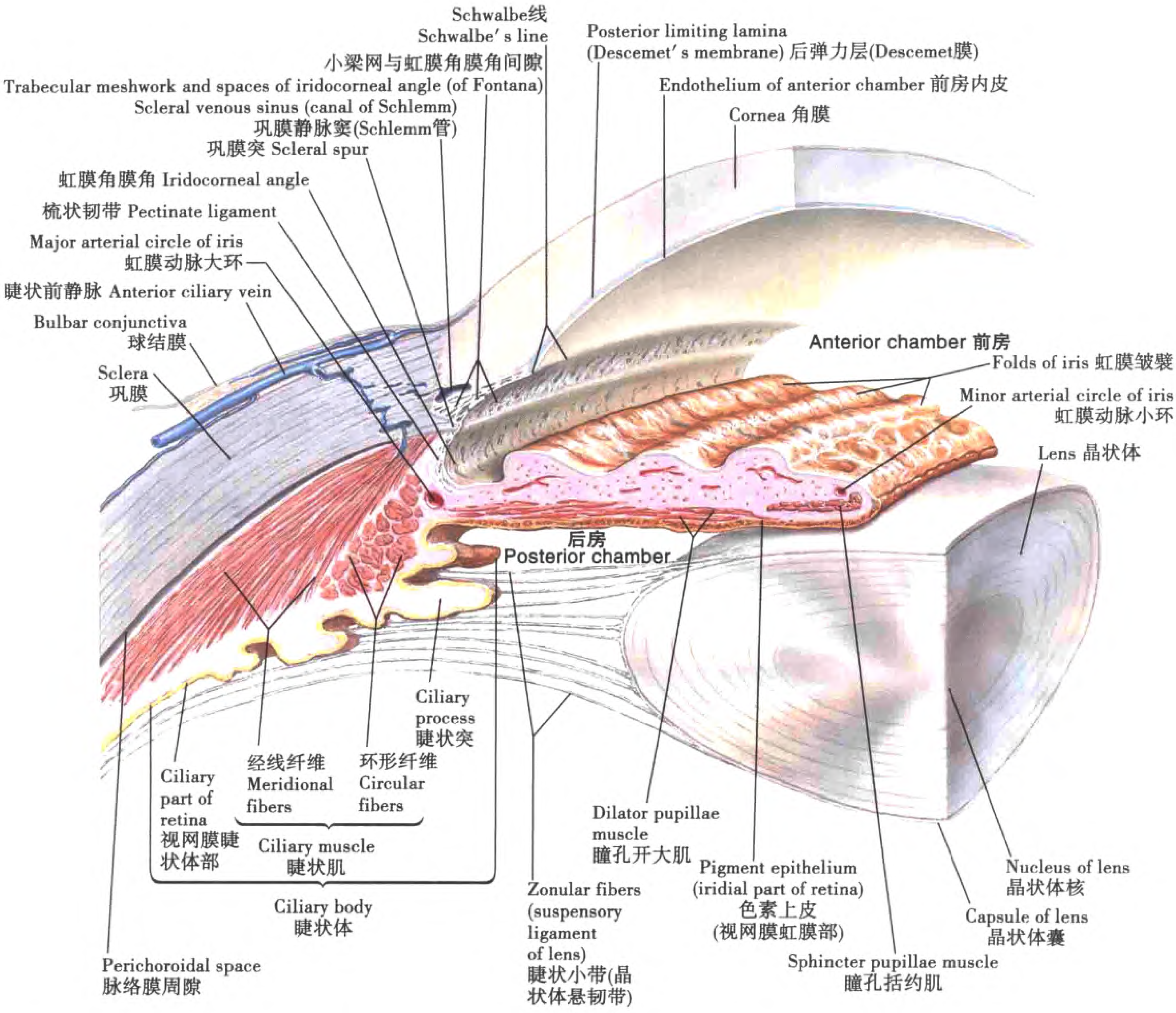
上面观
Superior view



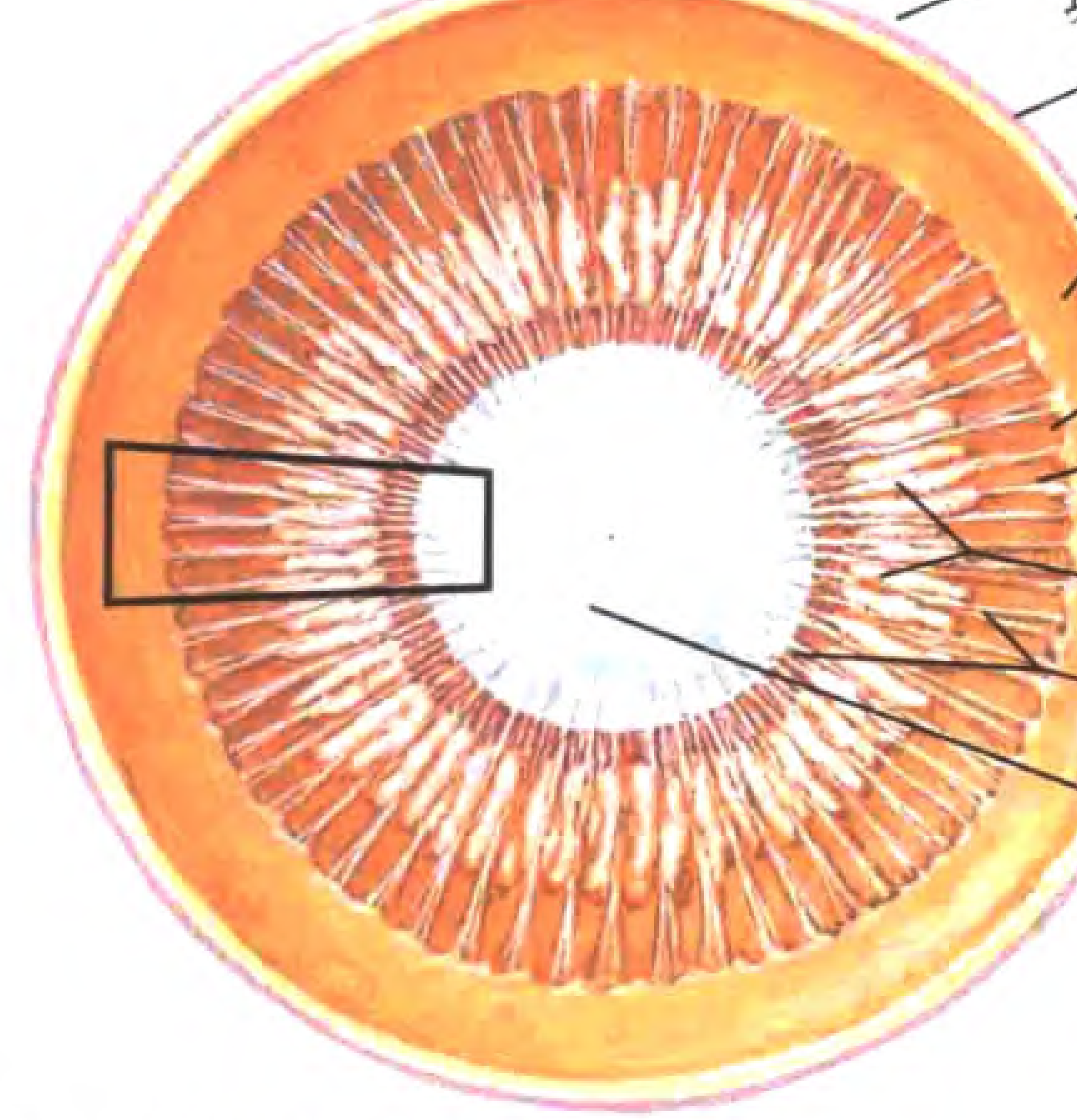
上面观：上睑提肌、上直肌与上斜肌部分切除
Superior view:
levator palpebrae superioris, superior rectus,and superior oblique muscles partially cut away



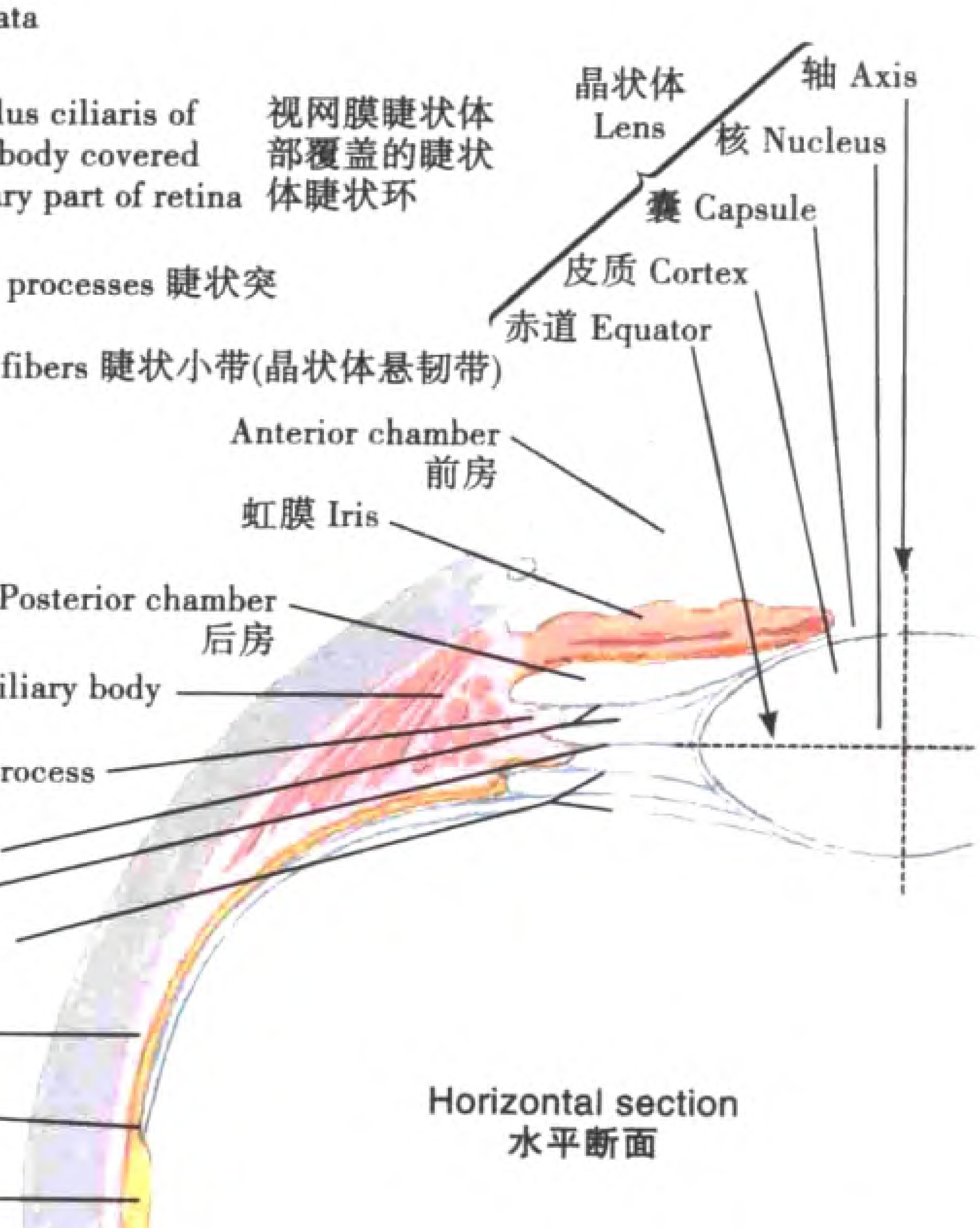

水平断面 Horizontal section
Zonular fibers (suspensory ligament of lens)
睫状小带(晶状体悬韧带)
Scleral venous sinus (canal of Schlemm)
巩膜静脉窦(Schlemm管)
巩膜突 Scleral spur
Ciliary body and ciliary muscle
睫状体与睫状肌
视网膜睫状体部 Ciliary part of retina
Tendon of lateral rectus muscle
外直肌肌腱
晶状体囊
Capsule of lens
晶状体 Lens
虹膜 Iris
Cornea 角膜
Anterior chamber 前房
Posterior chamber 后房
Iridocorneal angle 虹膜角膜角
Ciliary processes 睫状突
Bulbar conjunctiva 球结膜
Ora serrata
锯齿缘
Tendon of medial rectus
muscle 内直肌肌腱
Optic (visual) part of retina
视网膜视部
脉络膜 Choroid
脉络膜周隙 Perichoroidal space
巩膜 Sclera
Fascial sheath of eyeball (Tenon's capsule)
眼球鞘(Tenon囊)
巩膜外隙 Episcleral space
黄斑中央凹 Fovea centralis in macula(lutea)
视神经的硬膜鞘 Meningeal sheath of optic nerve
蛛网膜下腔 Subarachnoid space
Vitreous body
玻璃体
Hyaloid canal
玻璃体管
Lamina cribrosa of sclera
巩膜筛板
Optic nerve (Ⅱ)
视神经
Central retinal artery and vein
视网膜中央动脉和静脉
F. Netter M.D.



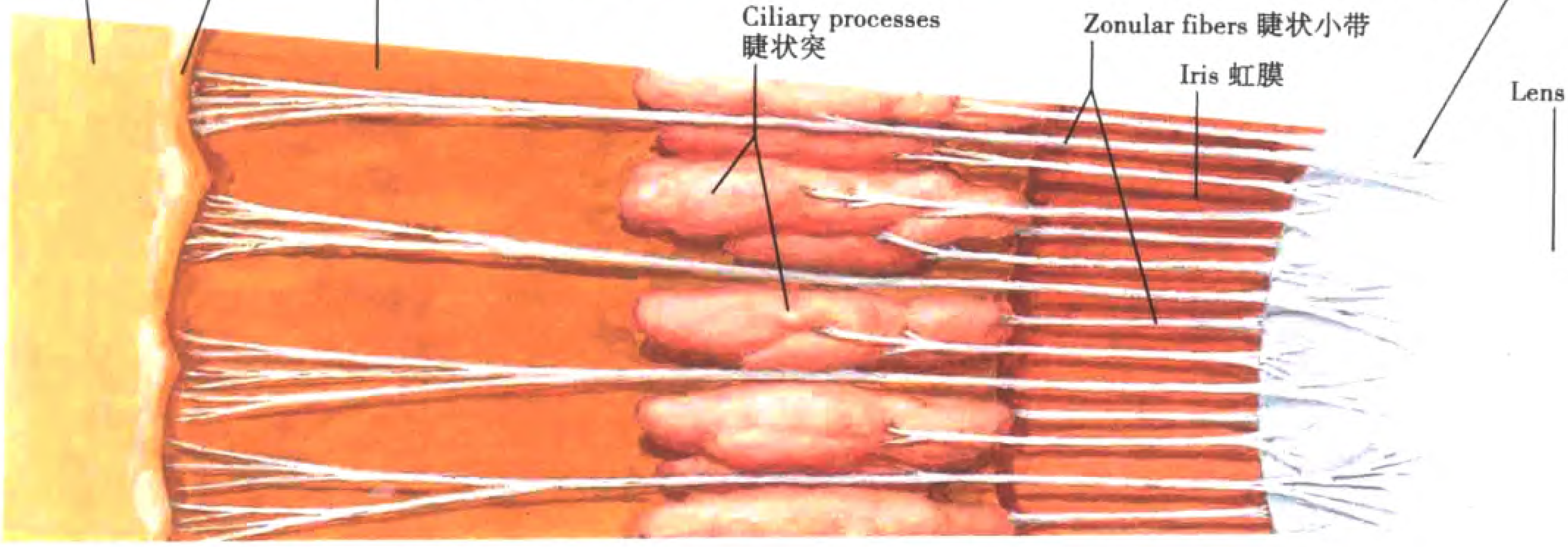
Note: For clarity,only single plane of zonular fibers shown; actually, fibers surround entire circumference of lens.
注：为了显示清楚,该图仅显示一个平面的睫状小带，但实际上晶状体全周均有睫状小带相连。



Eyeball sectioned in coronal plane: anterior segment viewed from behind
眼球冠状断面：
前部的后面观

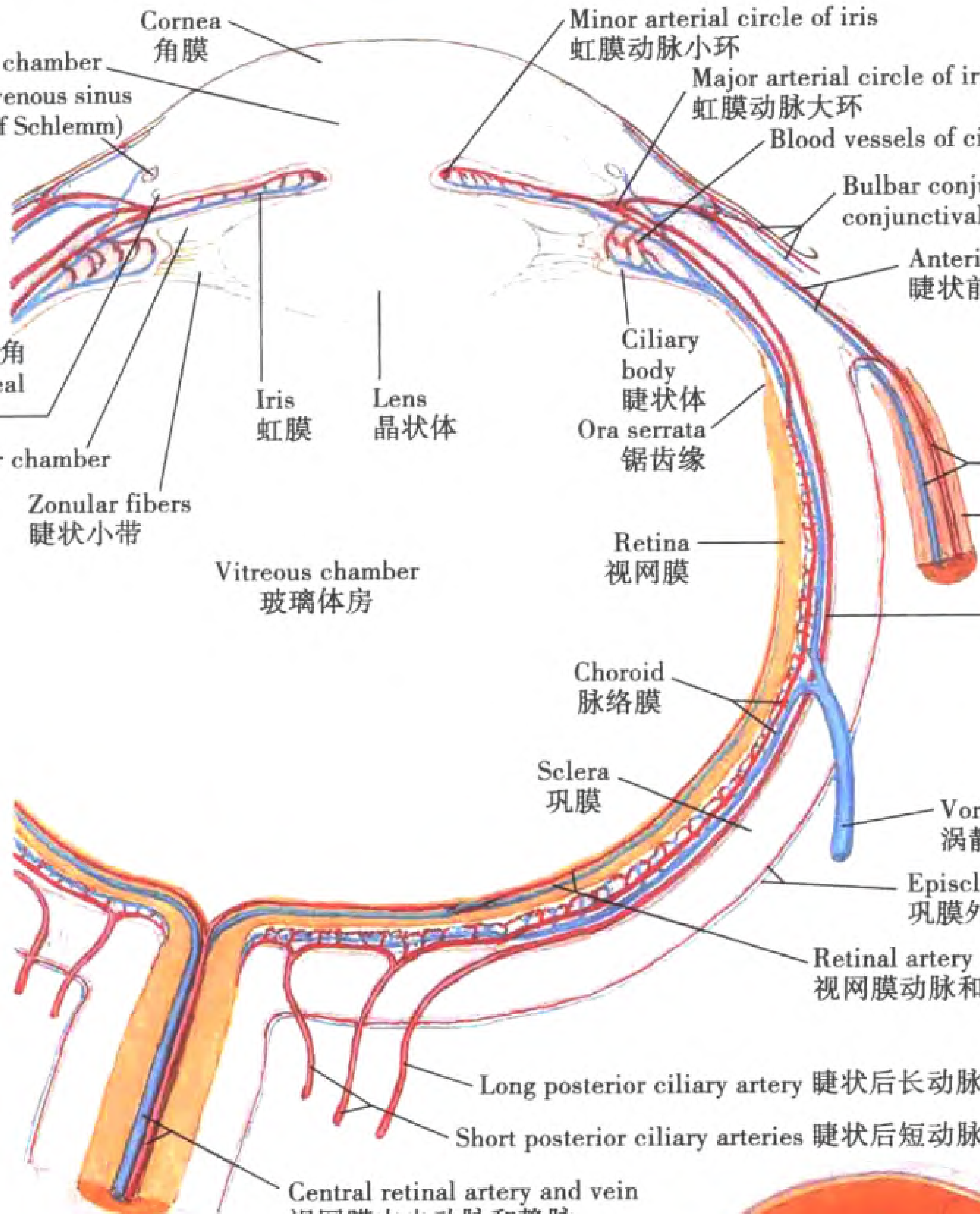


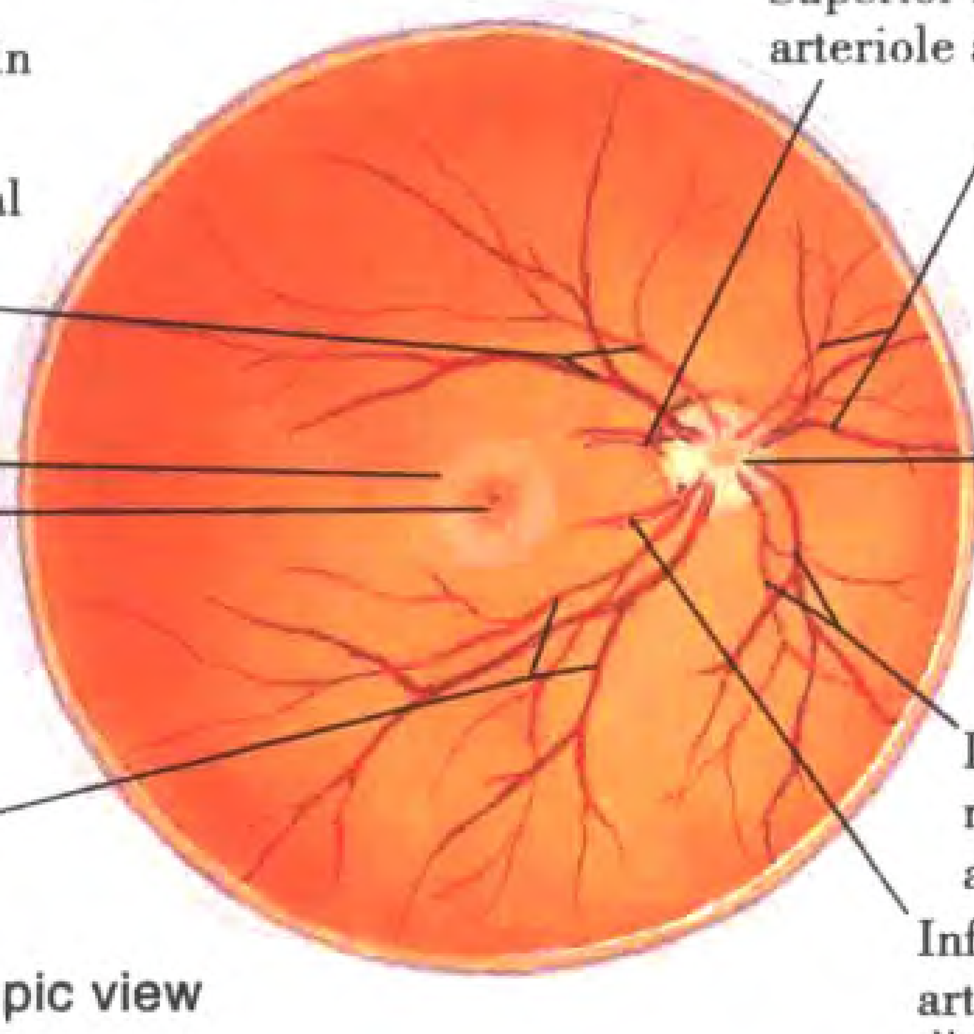
Horizontal section
水平断面



Enlargement of segment outlined in top illustration (semischematic)
左上图中方框部位的放大图(示意图)

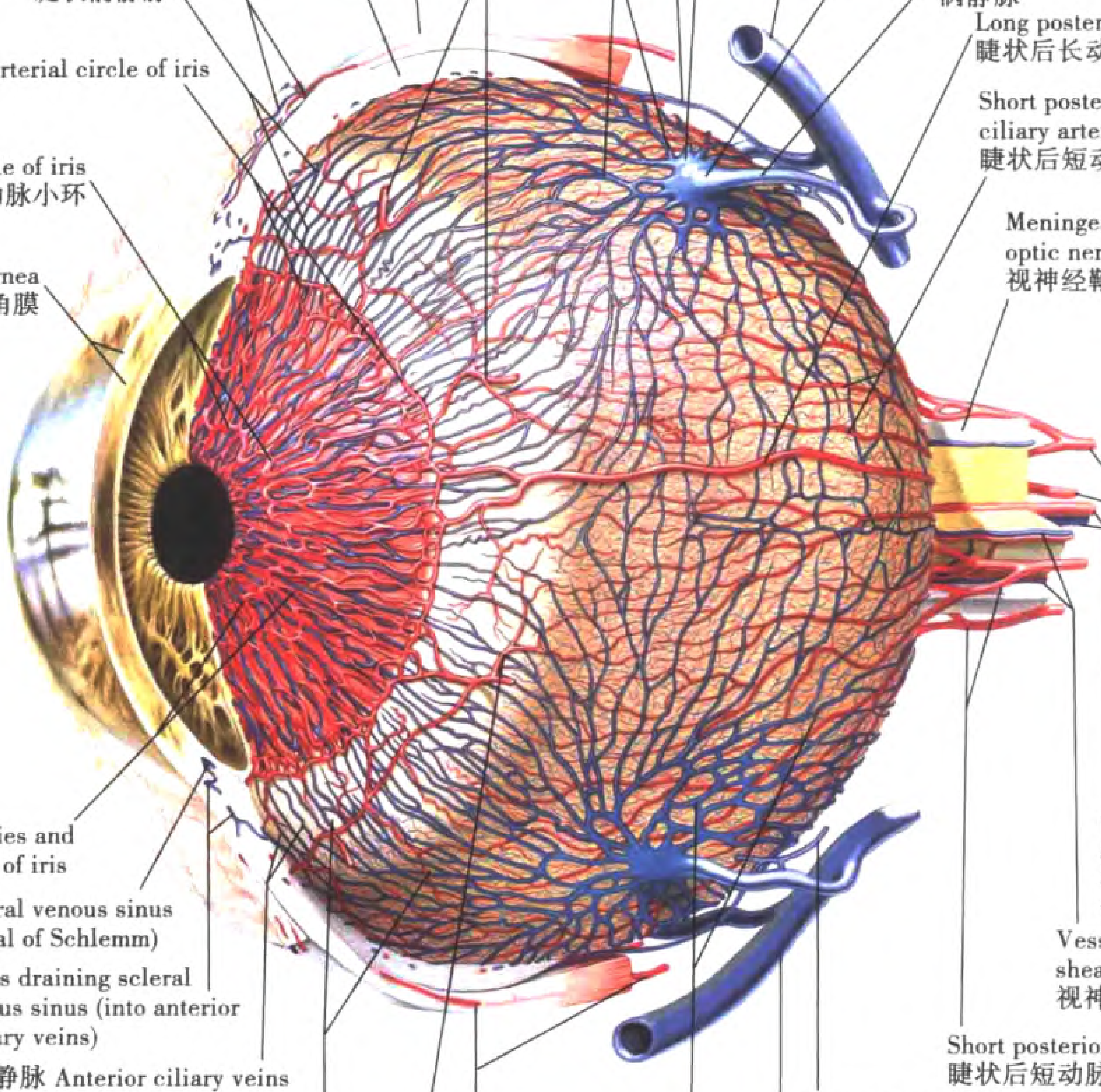
眼内动脉与静脉



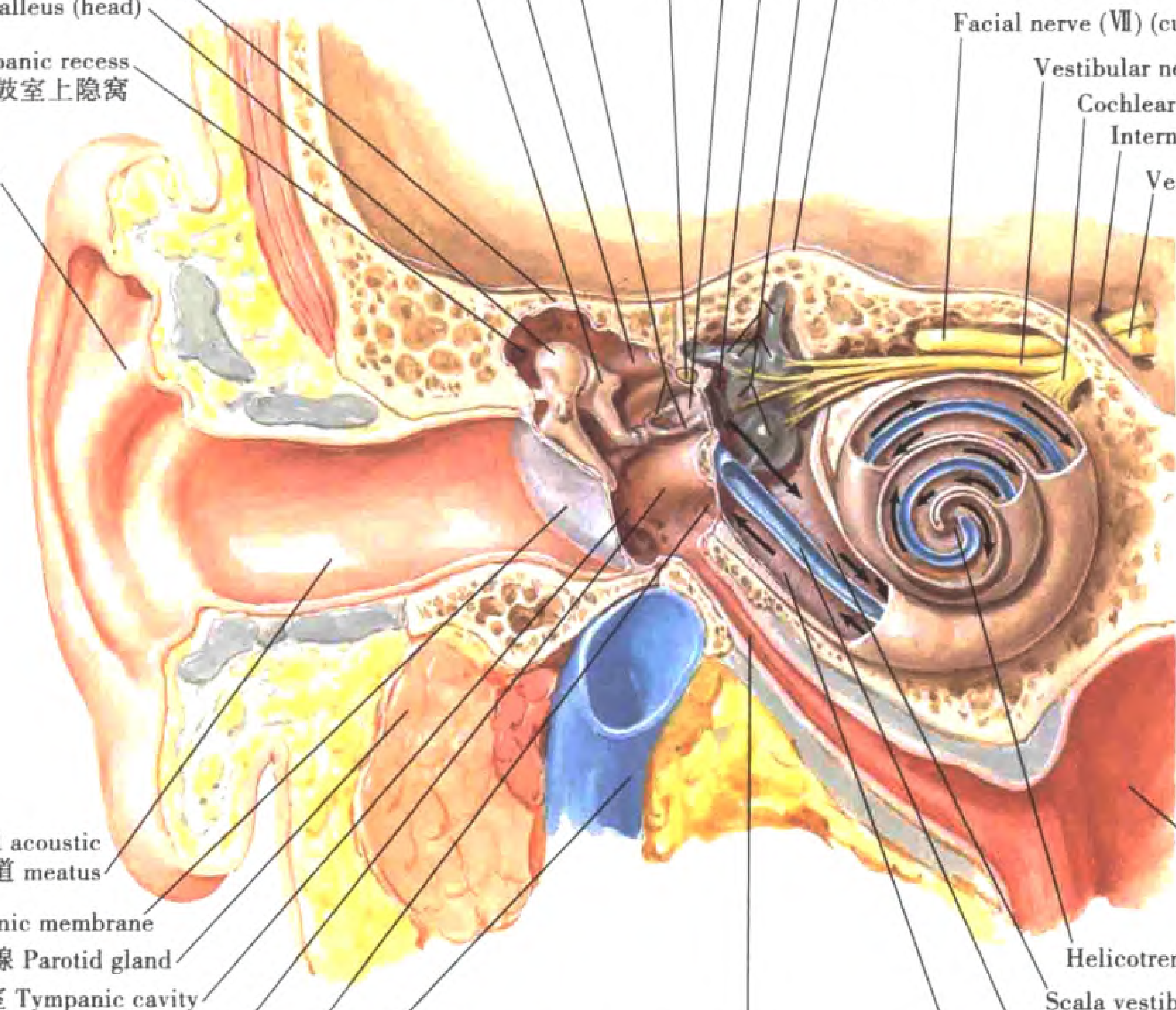


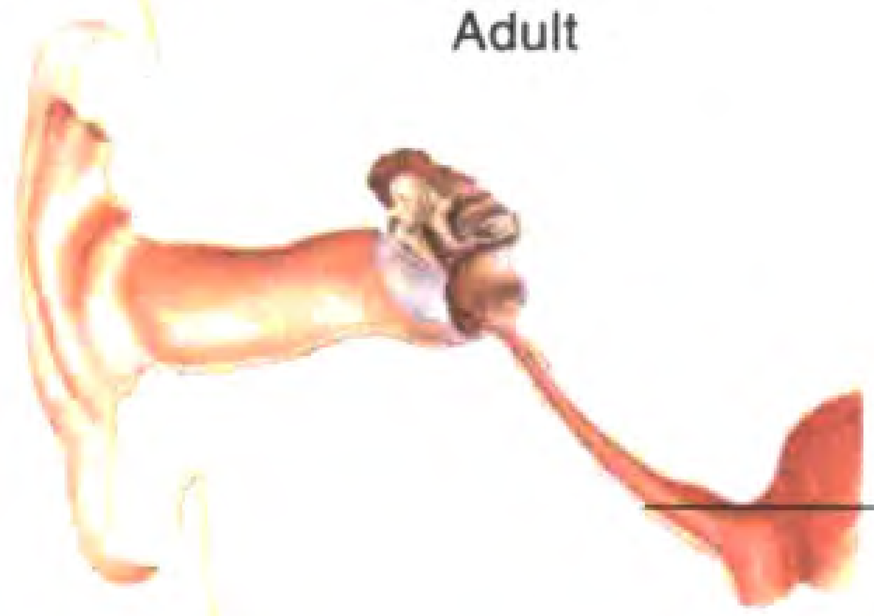
Right retinal vessels: funduscopic view
右侧视网膜血管：眼底镜下观

眼球脉络膜(血管膜)内的血管分布
Vascular arrangements within the choroid (vascular tunic) of the eyeball



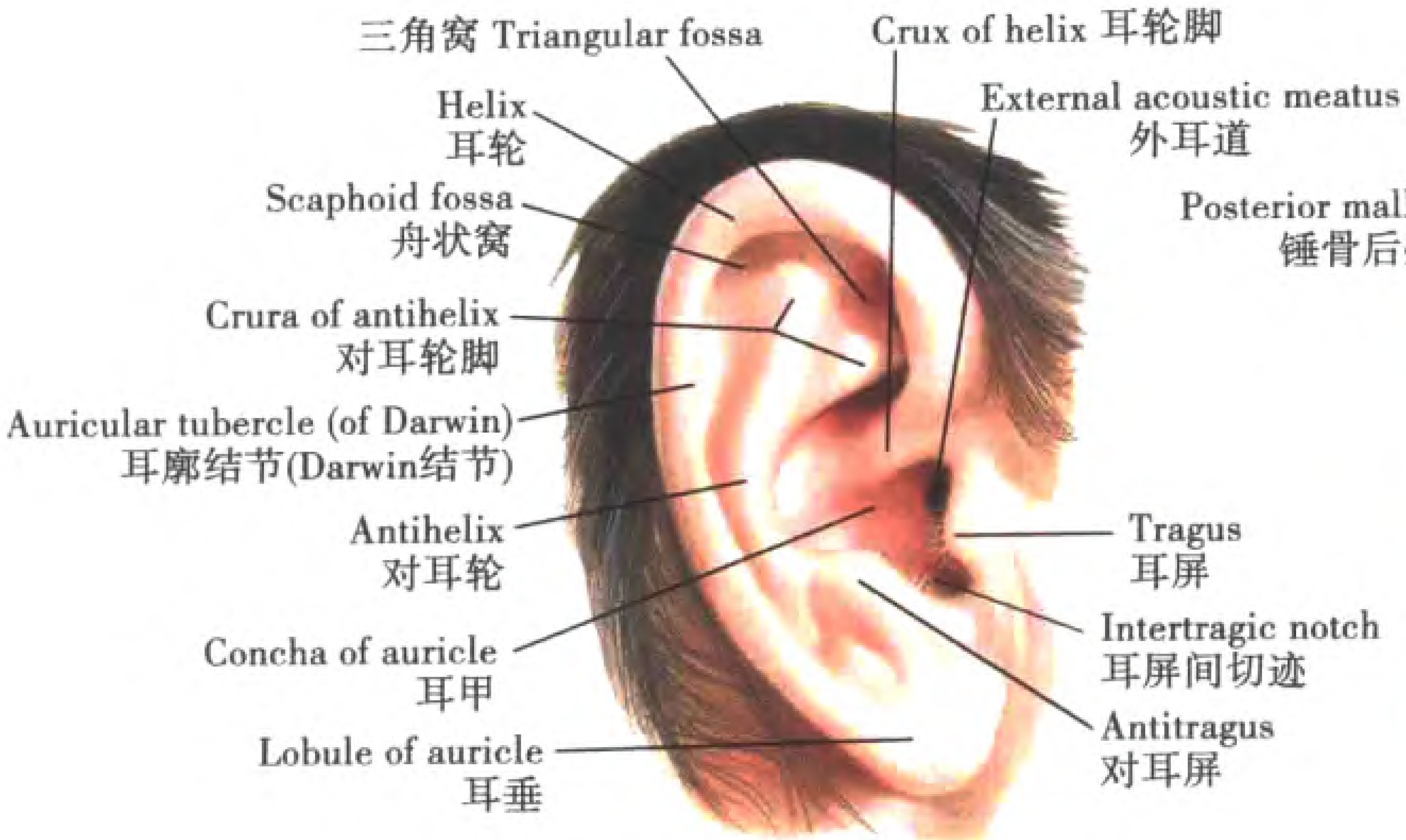
*The episcleral veins are shown here anastomosing with the vorticose veins, which they do; however, they also drain into the anterior ciliary veins.
如图所示，巩膜外静脉与涡静脉吻合，不过它们也可回流进入睫状前静脉。


Frontal section
冠状断面
Facial nerve (Ⅶ) (cut) 面神经(切断)
Base of stapes in oval (vestibular) window 卵圆窗上的镫骨底
Vestibule 前庭
Semicircular ducts,ampullae,utricle,and saccule
半规管、壶腹、椭圆囊与球囊
Arcuate eminence 弓状隆起
Facial nerve (Ⅶ) (cut) 面神经(Ⅶ)(切断)
Vestibular nerve 前庭神经
Cochlear nerve 蜗神经
Internal acoustic meatus 内耳道
Vestibulocochlear nerve (Ⅷ)
前庭蜗神经
镫骨脚 Limbs of stapes
外半规管凸 Prominence of lateral semicircular canal
鼓室盖 Tegmen tympani
砧骨 Incus
锤骨(头) Malleus (head)
Epitympanic recess
鼓室上隐窝
Auricle
耳廓
External acoustic
外耳道 meatus
鼓膜 Tympanic membrane
腮腺 Parotid gland
鼓室 Tympanic cavity
岬 Promontory
圆(蜗)窗 Round (cochlear) window
Internal jugular vein
颈内静脉
Pharyngotympanic (auditory,
eustachian) tube
咽鼓管
Note:Arrows indicate course of sound waves.
注：箭头表示声波传导方向
Nasopharynx 鼻咽
Helicotrema 蜗孔
Scala vestibuli 前庭阶
Cochlear duct containing spiral organ (of Corti)
蜗管,包含螺旋器(Corti器)
Scala tympani 鼓阶
Cochlea
耳蜗

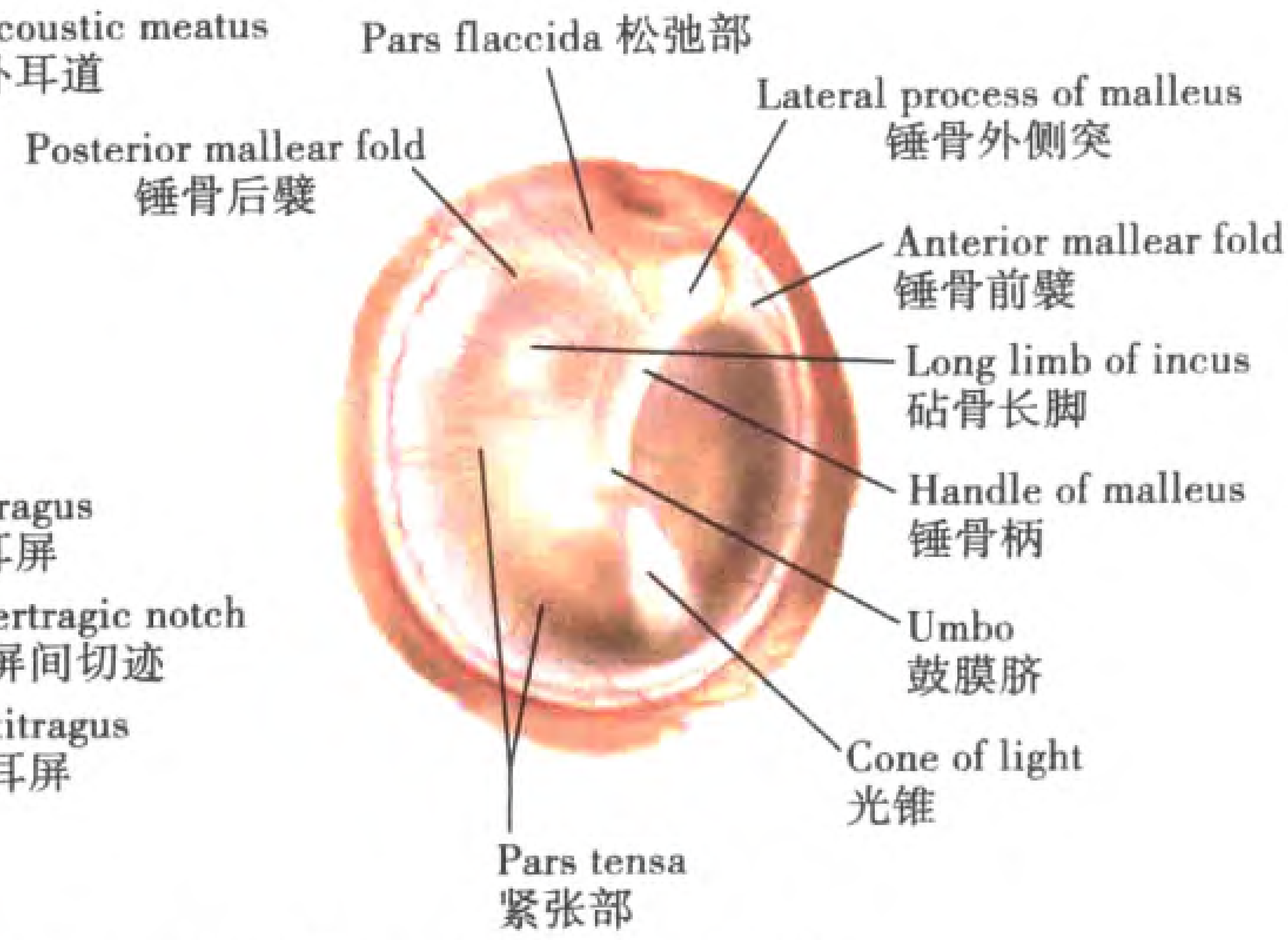

成人
Adult
Pharyngotympanic
(auditory,eustachian)
tube
咽鼓管


儿童
Child
Pharyngotympanic
(auditory,eustachian)
tube is shorter and
more horizontal
咽鼓管较短较直

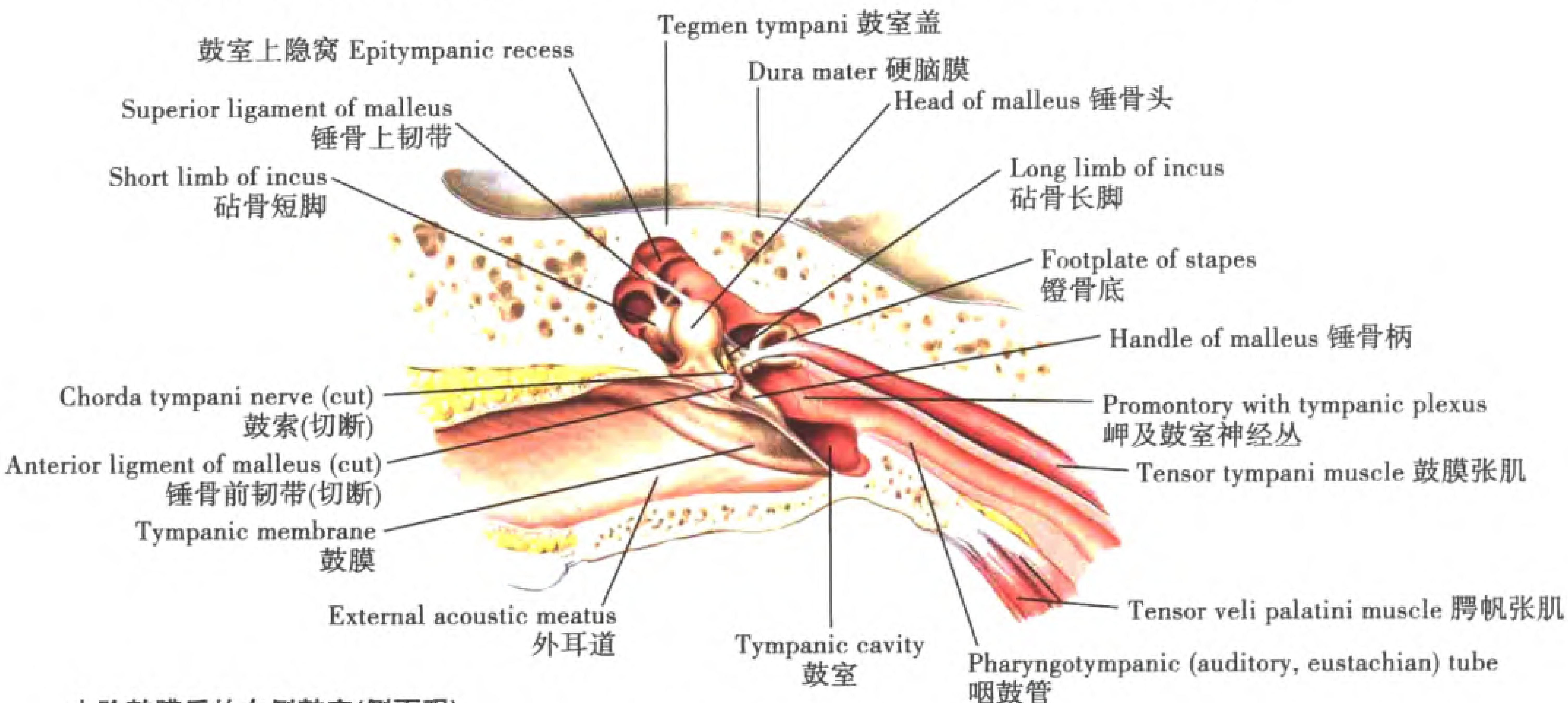
右外耳
Right auricle (pinna)



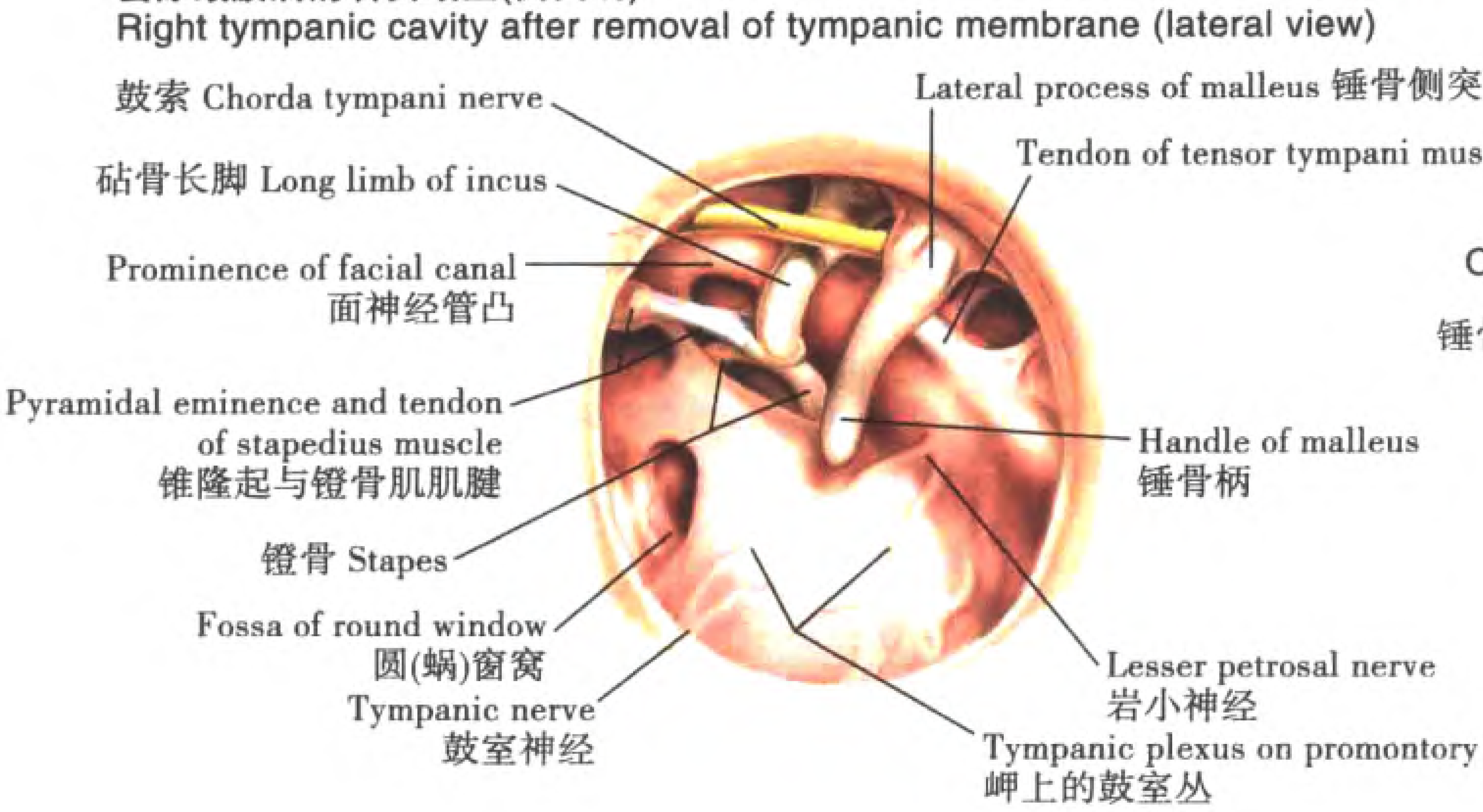
通过耳镜观察右耳鼓膜
Otoscopic view of right tympanic membrane



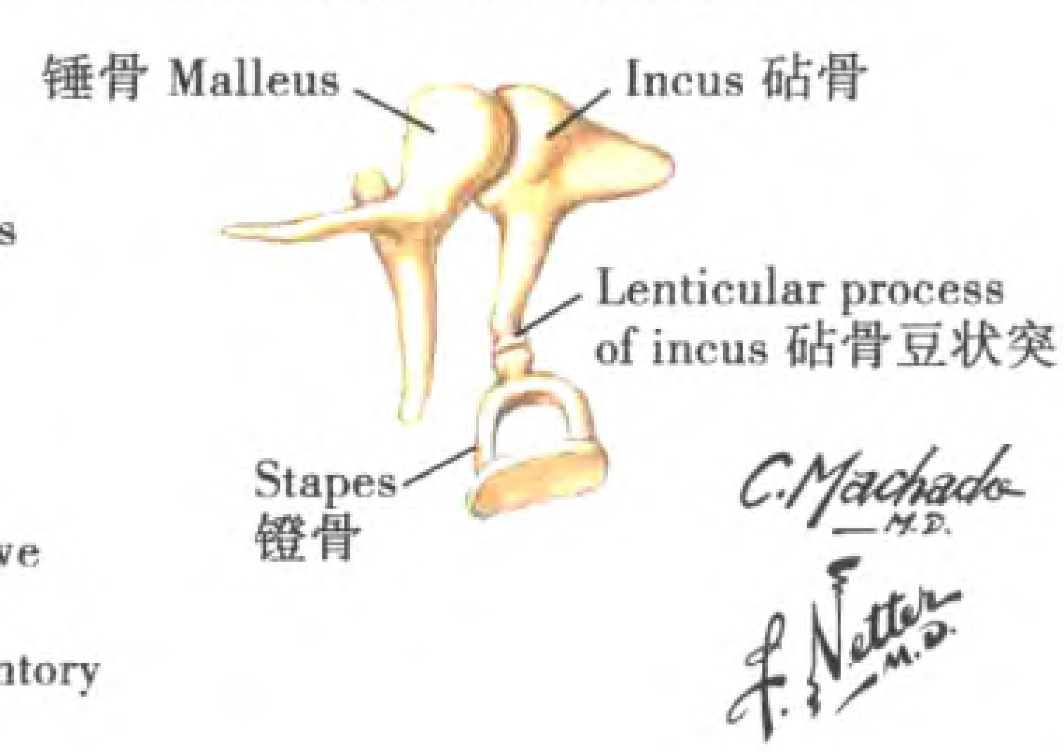
外耳道和中耳(鼓室)的斜冠状断面
Coronal oblique section of external acoustic meatus and middle ear (tympanic cavity)

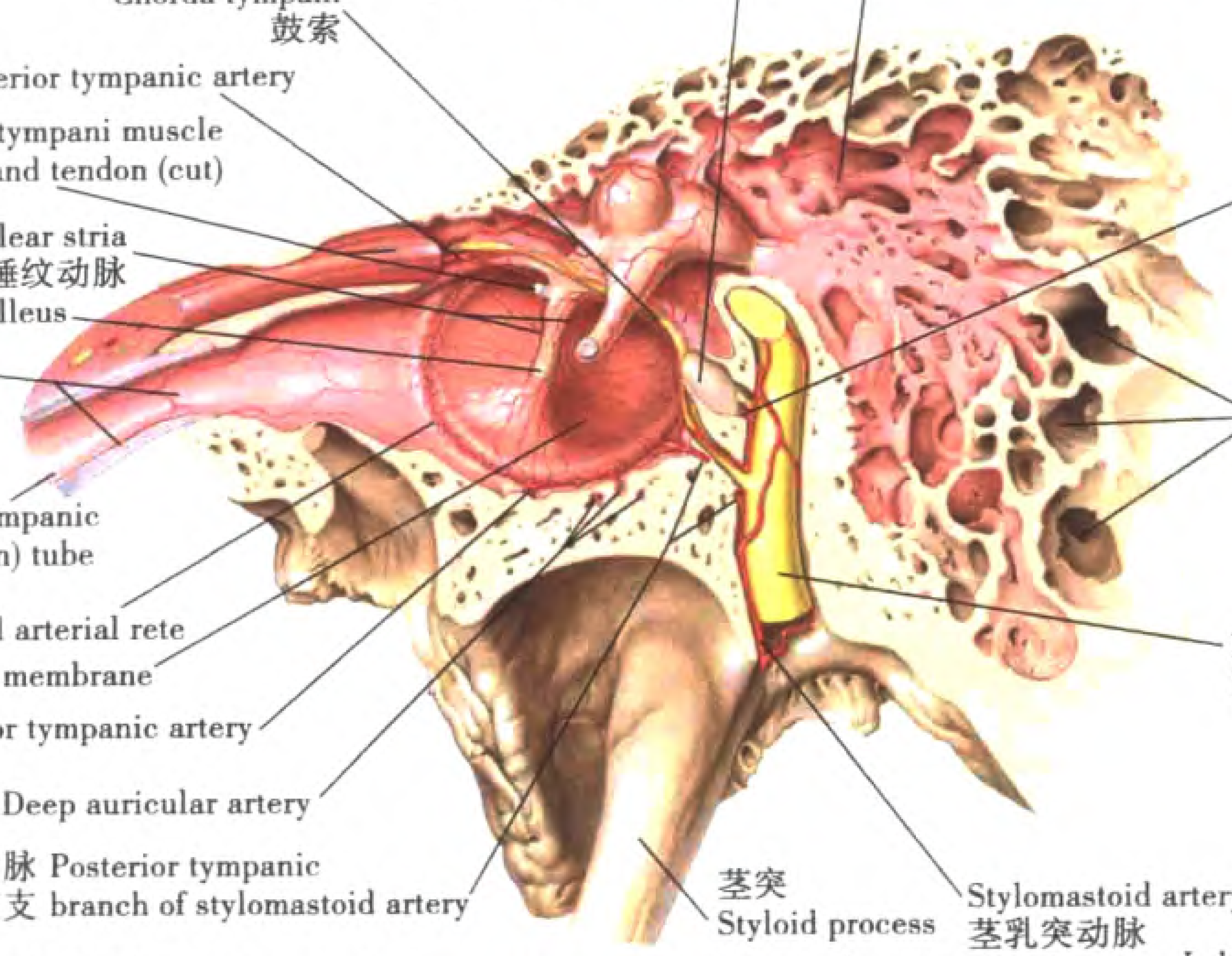


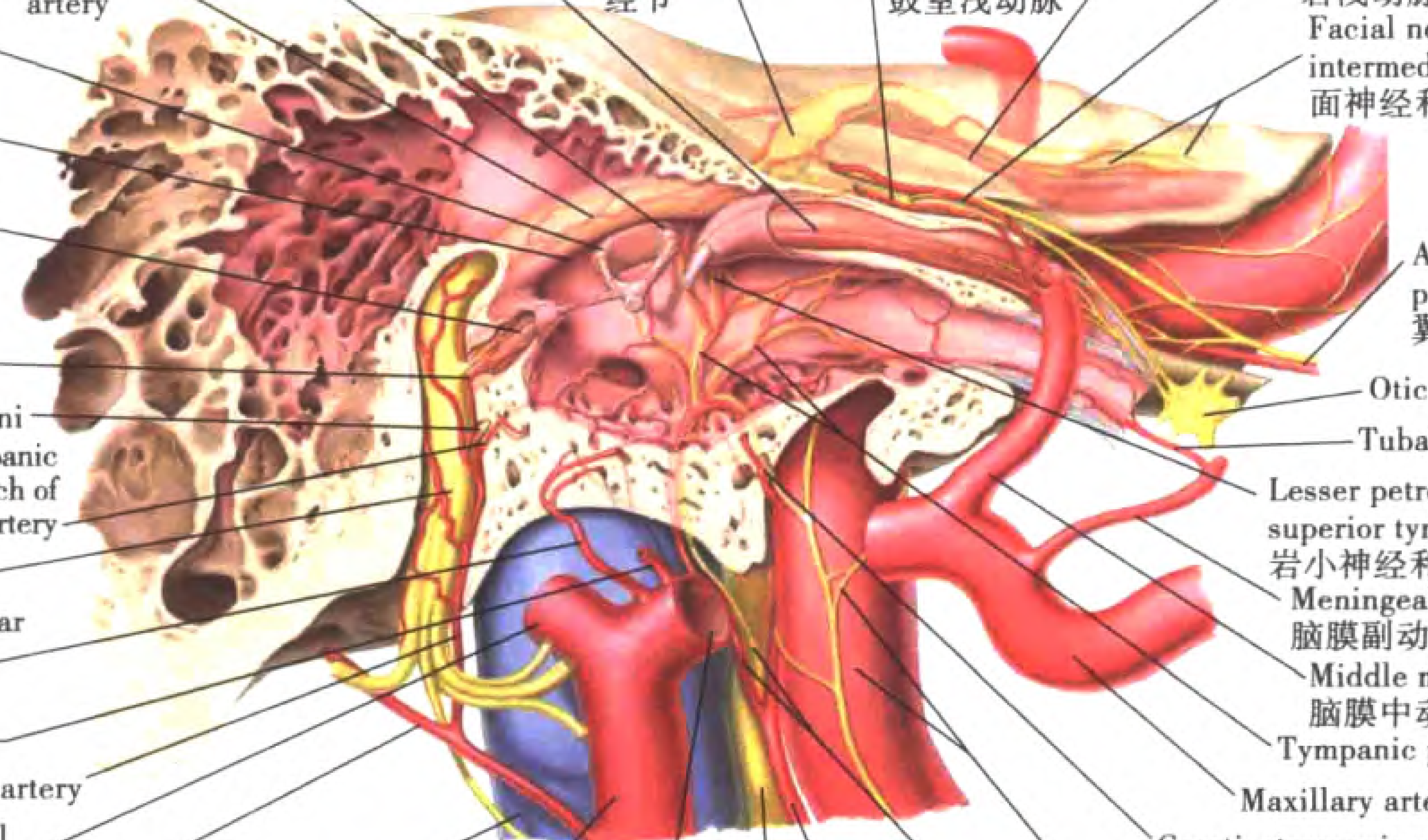
去除鼓膜后的右侧鼓室(侧面观)
Right tympanic cavity after removal of tympanic membrane (lateral view)



听小骨连结：内侧面观
Ossicles articulated：medial view

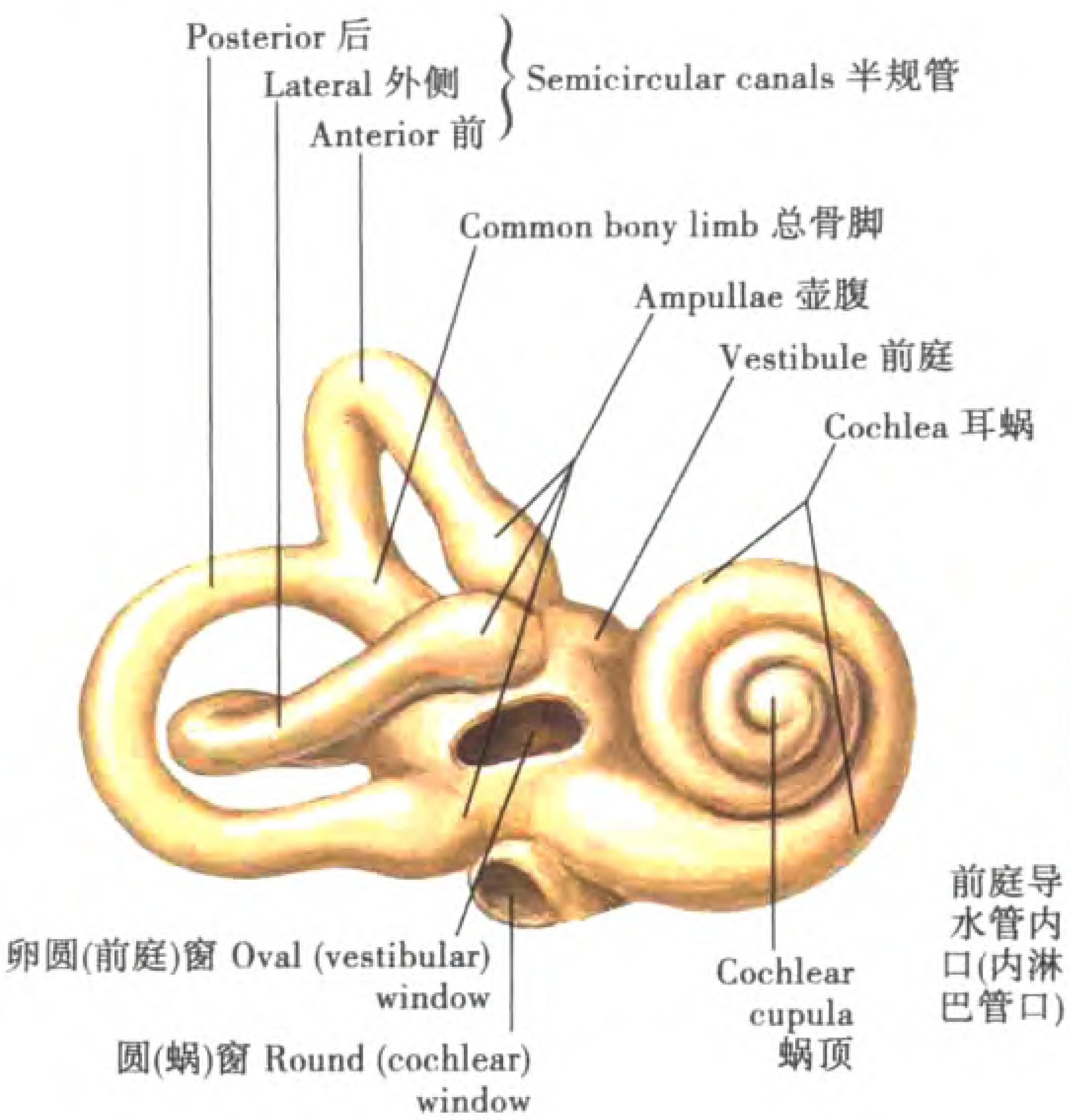



锥状隆起(切断)
Pyramidal eminence (cut)
Mastoid antrum 乳突窦
Chorda tympani
鼓索
鼓室前动脉 Anterior tympanic artery
鼓膜张肌 Tensor tympani muscle
及肌腱(切断) and tendon (cut)
Arteries of mallear stria
锤纹动脉
锤骨柄 Handle of malleus
Tubal artery
咽鼓管动脉
咽鼓管 Pharyngotympanic
(auditory,eustachian) tube
边缘动脉网 Marginal arterial rete
鼓膜 Tympanic membrane
鼓室下动脉 Inferior tympanic artery
耳深动脉 Deep auricular artery
茎乳动脉 Posterior tympanic
后鼓室支 branch of stylomastoid artery
茎突
Styloid process
Stylomastoid artery
茎乳突动脉
Facial nerve
面神经
Mastoid cells
乳突小房
Stapedial branch
of stylomastoid artery
茎乳动脉镫骨支
C. Machado M.D.

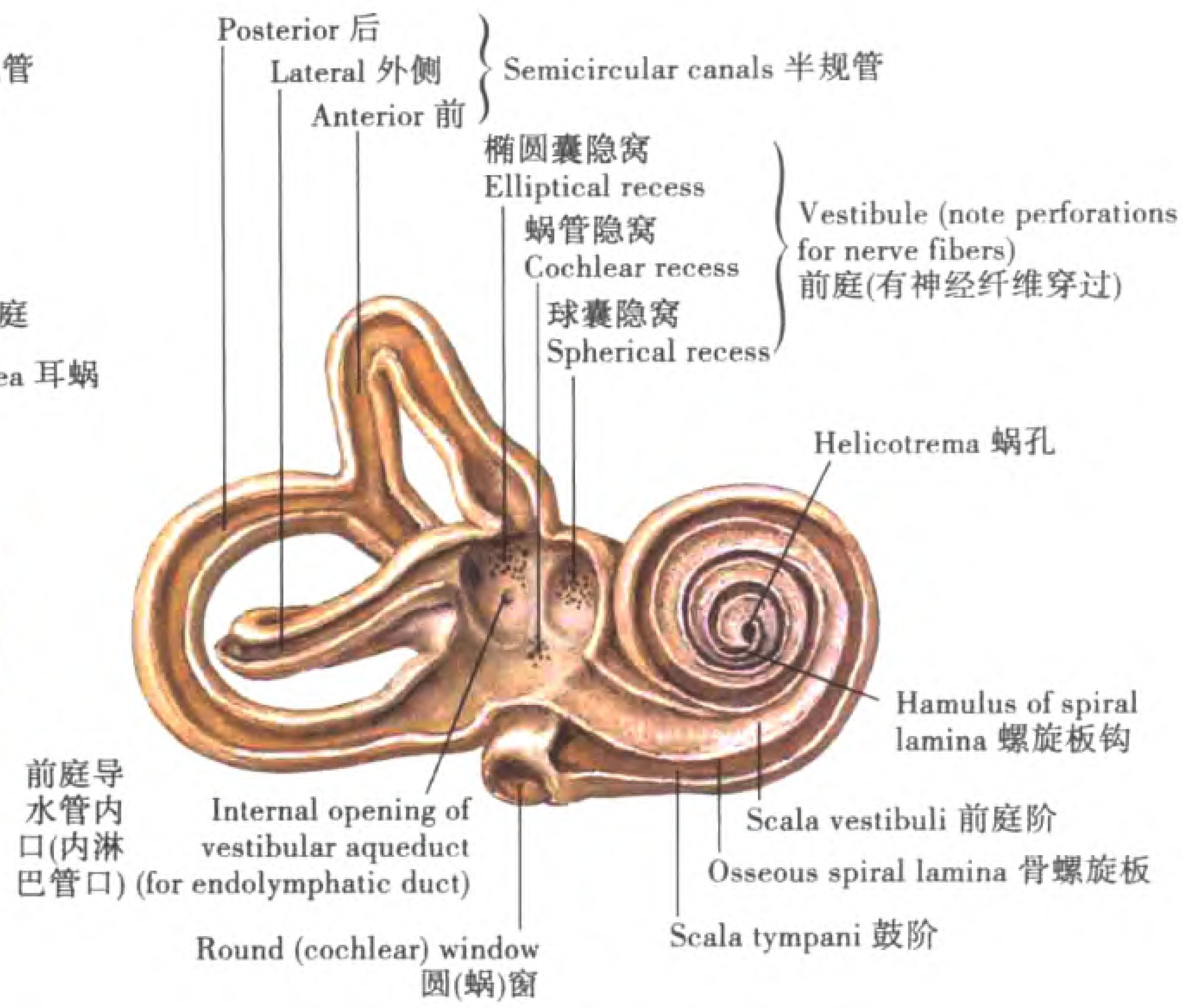

前圆锥支 Anterior crural
artery
岩浅动脉降支 Descending
branch of superficial petrosal
artery
镫骨 Stapes
Tensor tympani
muscle
鼓膜张肌
Geniculate
ganglion
膝状神
经节
Lesser petrosal nerve
and superior tympanic
artery 岩小神经和
鼓室浅动脉
Labyrinthine artery 迷路动脉
Superficial petrosal artery
and greater petrosal nerve
岩浅动脉和岩大神经
Facial nerve and nervus
intermedius
面神经和中间神经
Posterior crural artery
后圆锥支
Stapedius muscle
镫骨肌
Stapedial branch of
stylomastoid artery
茎乳动脉镫骨支
鼓索 Chorda tympani
茎乳动脉
后鼓室支
Posterior tympanic
branch of
stylomastoid artery
面神经 Facial nerve
耳深动脉 Deep auricular
artery
鼓室前动脉 Anterior
tympanic artery
茎乳动脉 Stylomastoid artery
颞浅动脉 Superficial
temporal artery
Posterior auricular artery
耳后动脉
Internal jugular vein
颈内静脉
External carotid
artery
颈外动脉
Maxillary
artery
上颌动脉
Inferior ganglion of
glossopharyngeal nerve
舌咽神经下神经节
Ascending
pharyngeal
artery
咽升动脉
Artery and nerve of
pterygoid canal
翼管动脉和神经
Otic ganglion 耳神经节
Tubal artery 咽鼓管动脉
Lesser petrosal nerve and
superior tympanic artery
岩小神经和鼓室上动脉
Meningeal accessory artery
脑膜副动脉
Middle meningeal artery
脑膜中动脉
Tympanic plexus 鼓室神经丛
Maxillary artery 上颌动脉
Caroticotympanic artery and nerve
颈鼓动脉和神经
Internal carotid artery and carotid plexus
颈内动脉和颈动脉神经丛
Inferior tympanic artery and nerve
鼓室下动脉和神经

参见图 125

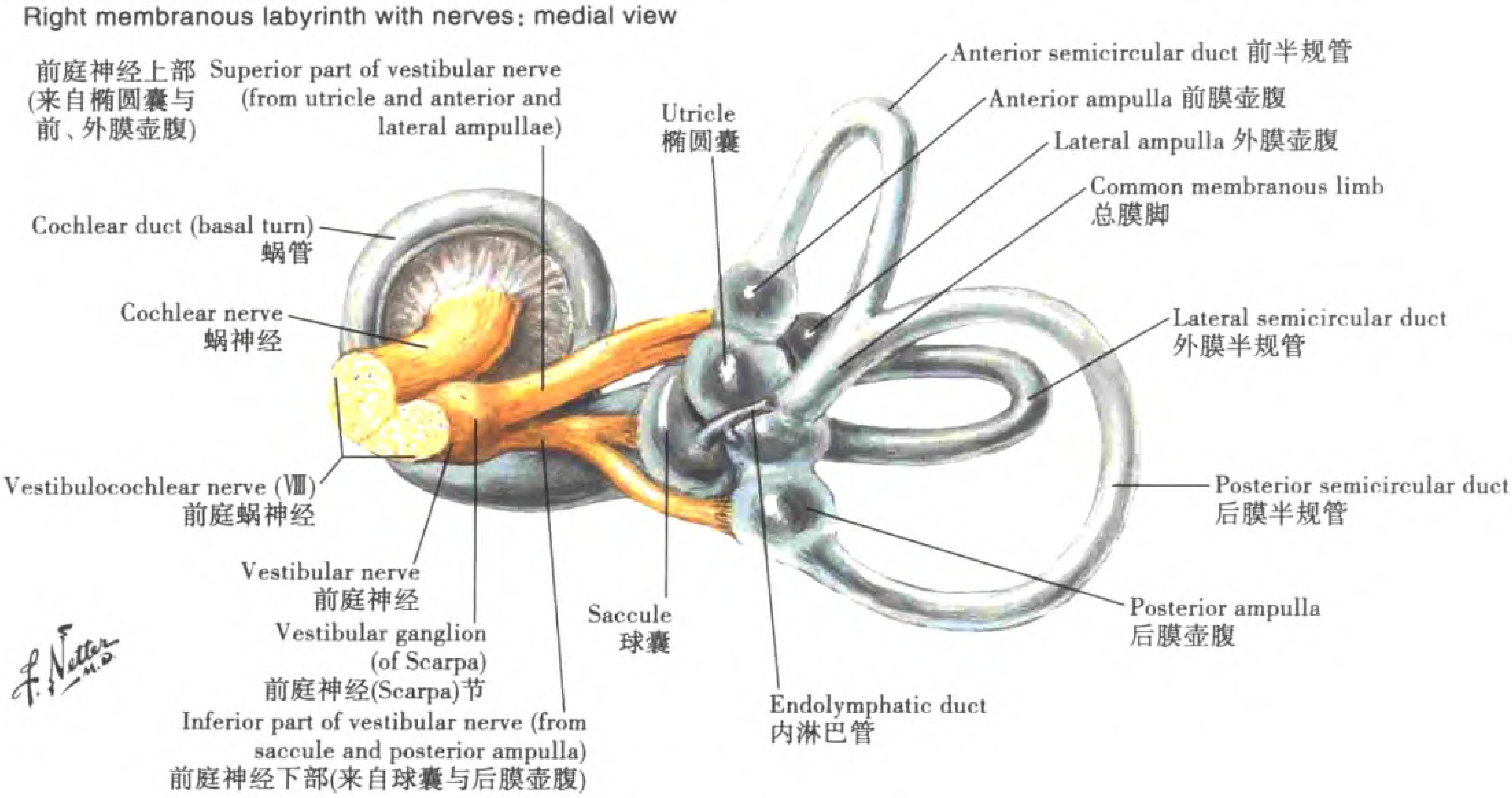
右侧骨迷路(Otic囊)前外侧面观：移除周围多孔的骨组织
Right bony labyrinth (otic capsule), anterolateral view: surrounding cancellous bone removed



右侧骨迷路(Otic囊)的解剖：膜迷路已切除
Dissected right bony labyrinth (otic capsule): membranous labyrinth removed

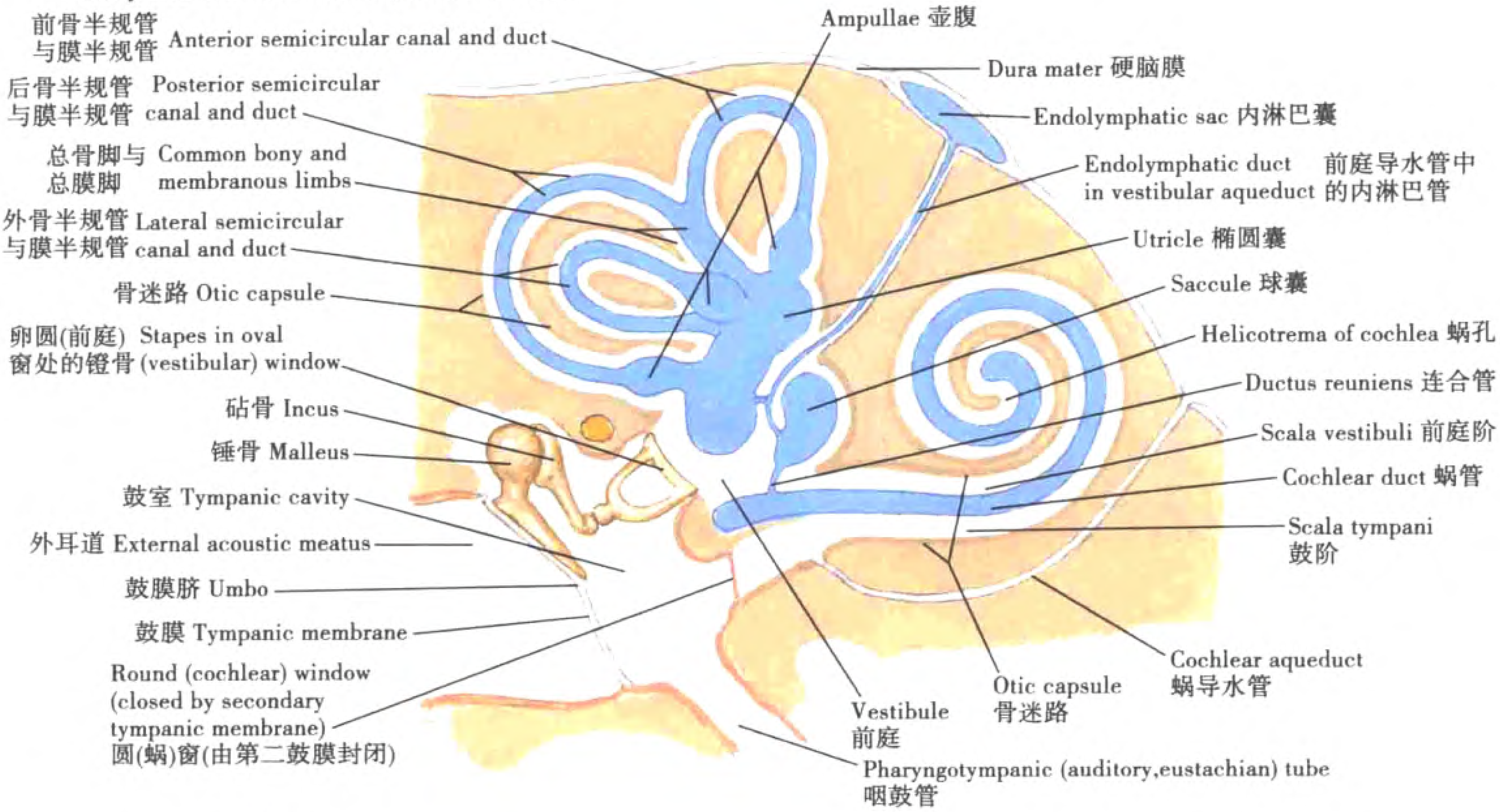


右膜迷路与神经：内侧观
Right membranous labyrinth with nerves: medial view



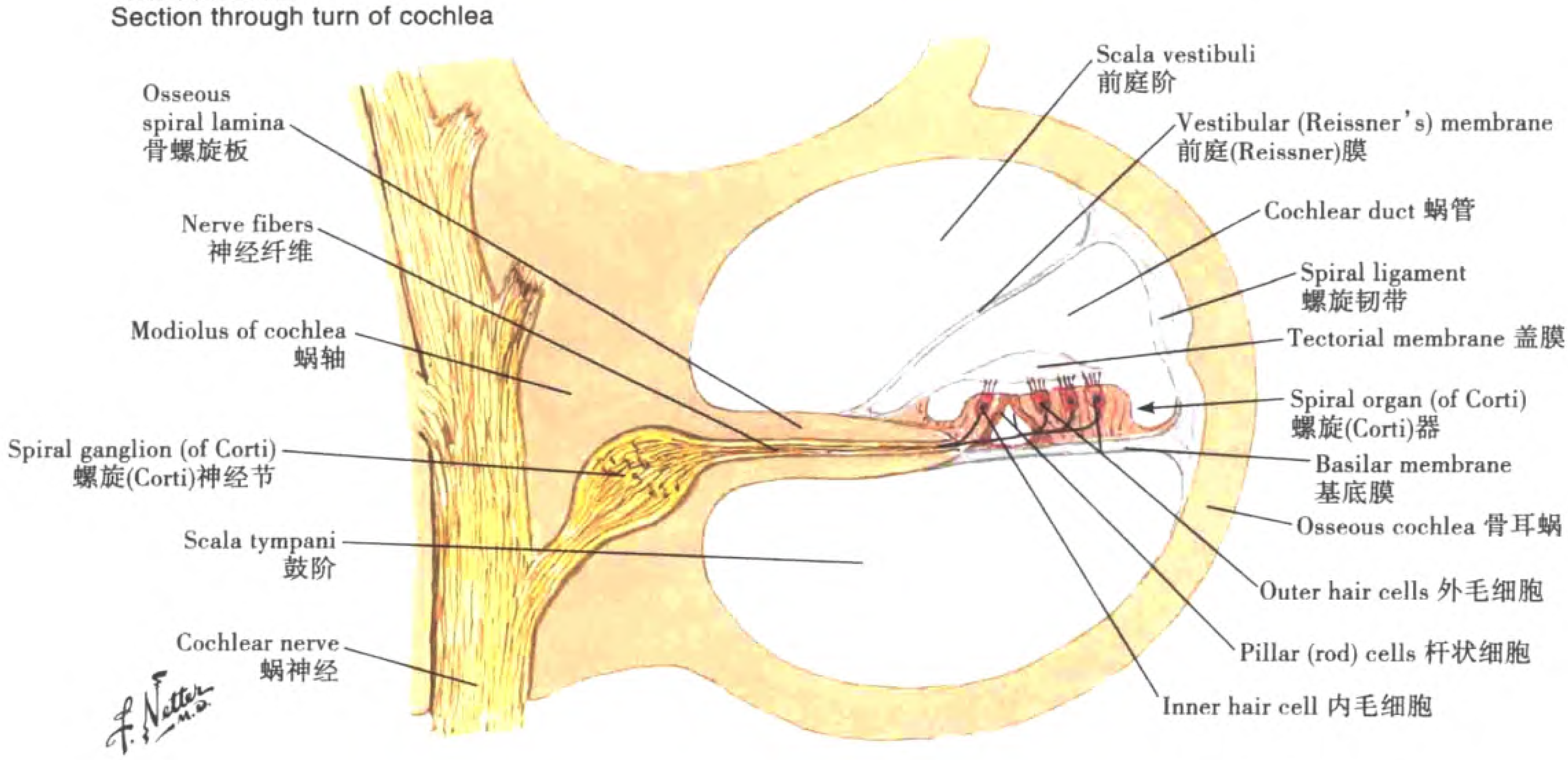
骨迷路和膜迷路：示意图

Bony and membranous labyrinths: schema

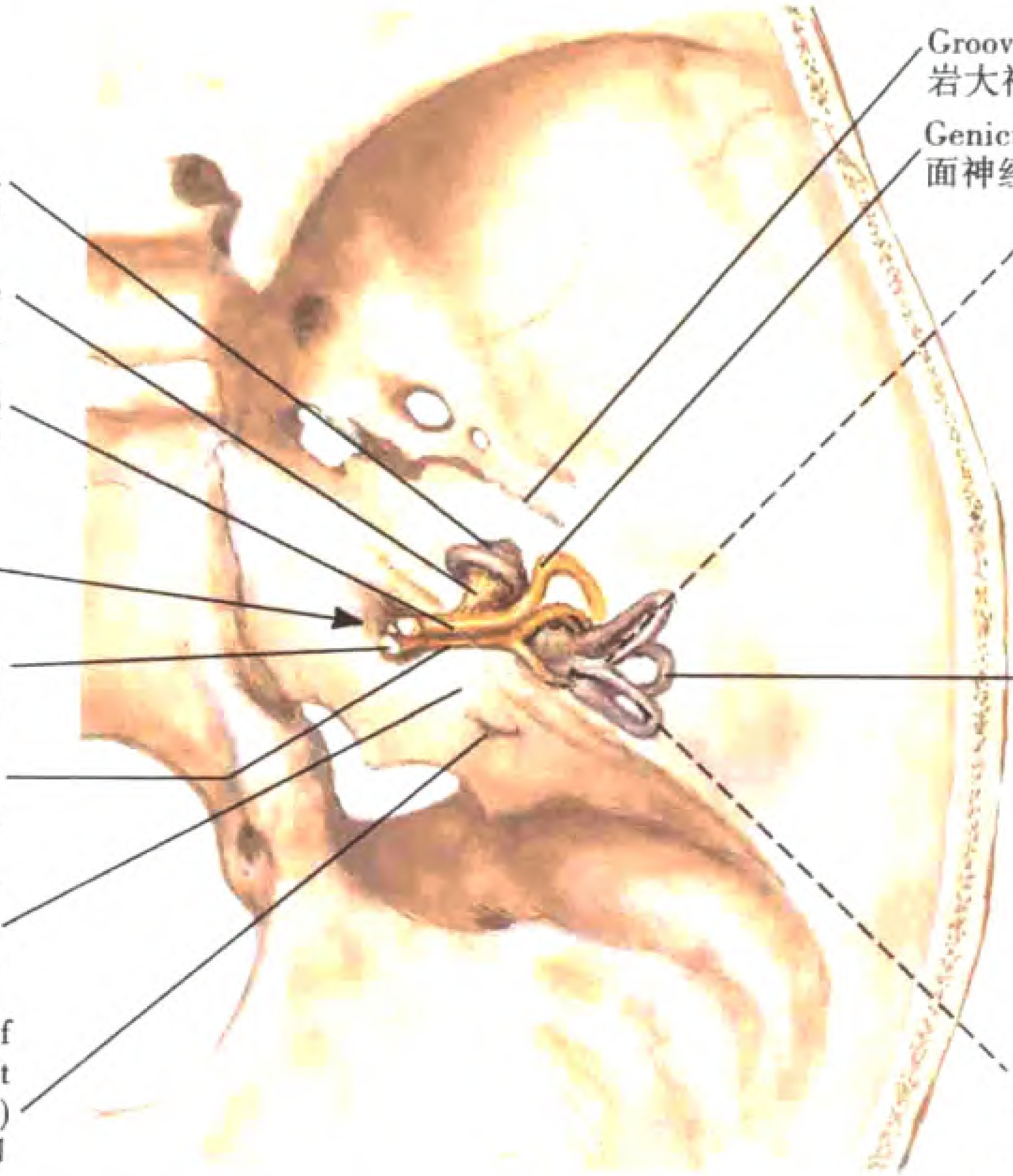


耳蜗弯曲处断面

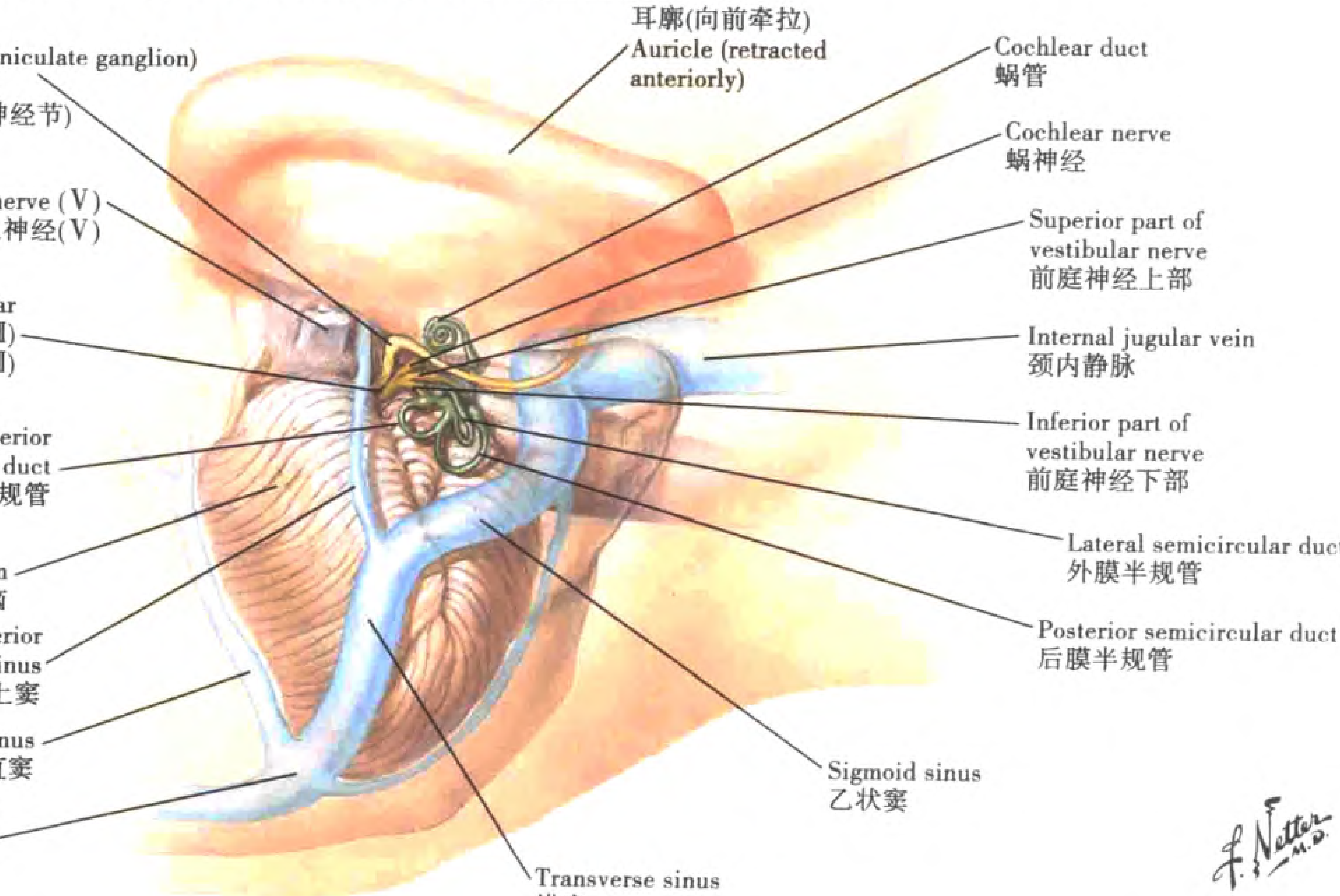
Section through turn of cochlea



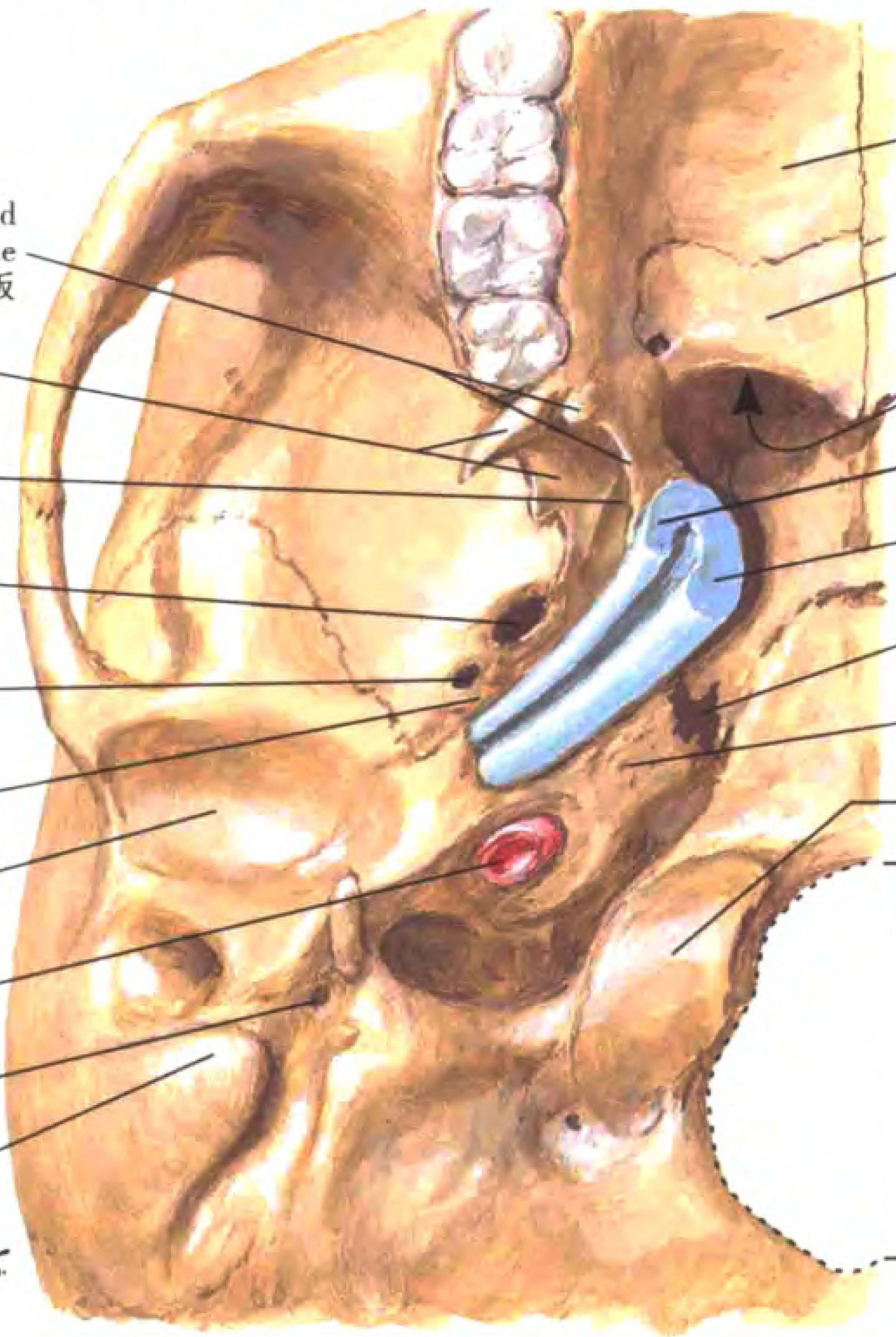
右侧骨迷路在颅底上的投影
Superior projection of right bony labyrinth on floor of skull

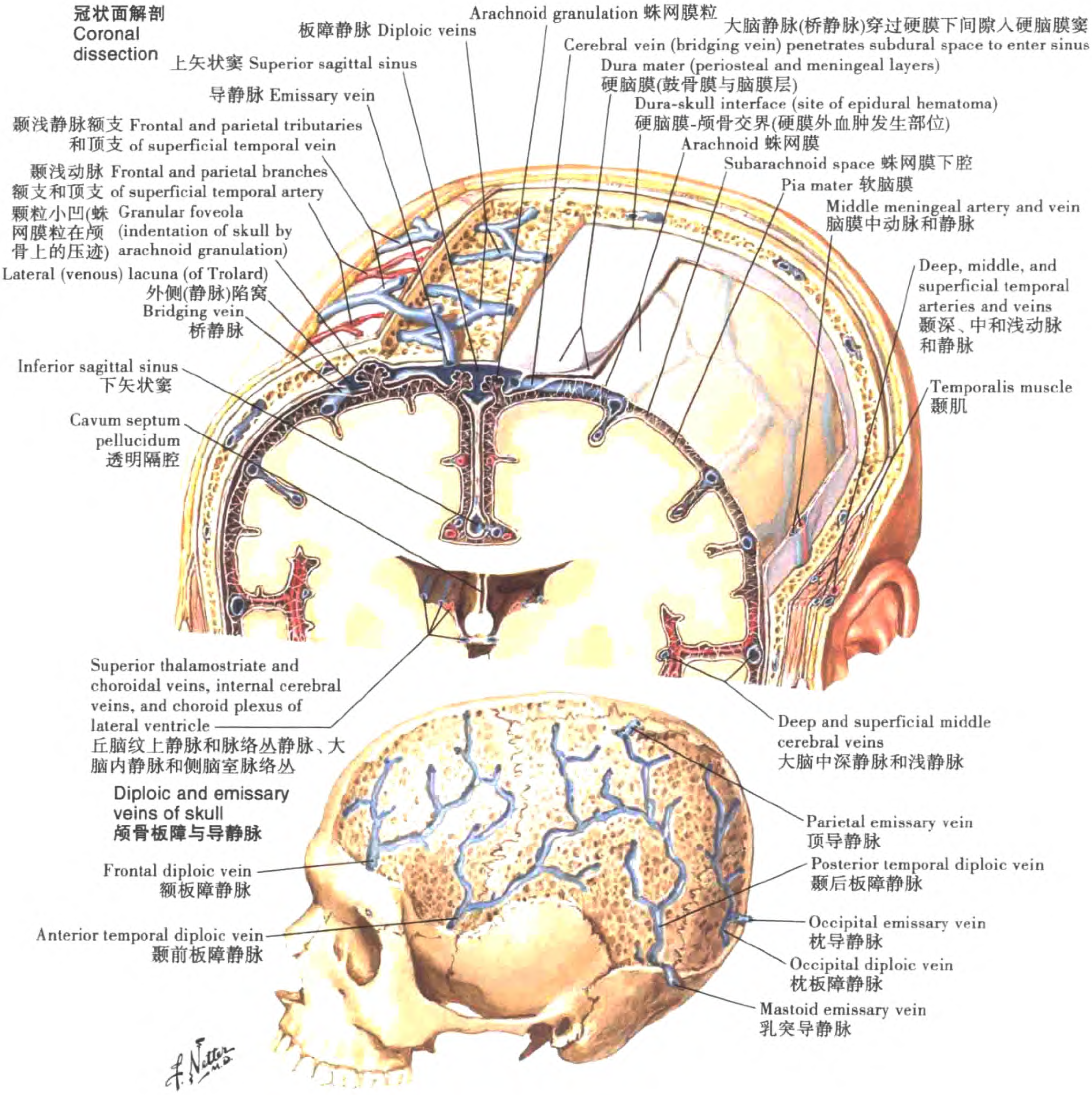


Lateral projection of right membranous labyrinth 右侧膜迷路的外侧投影



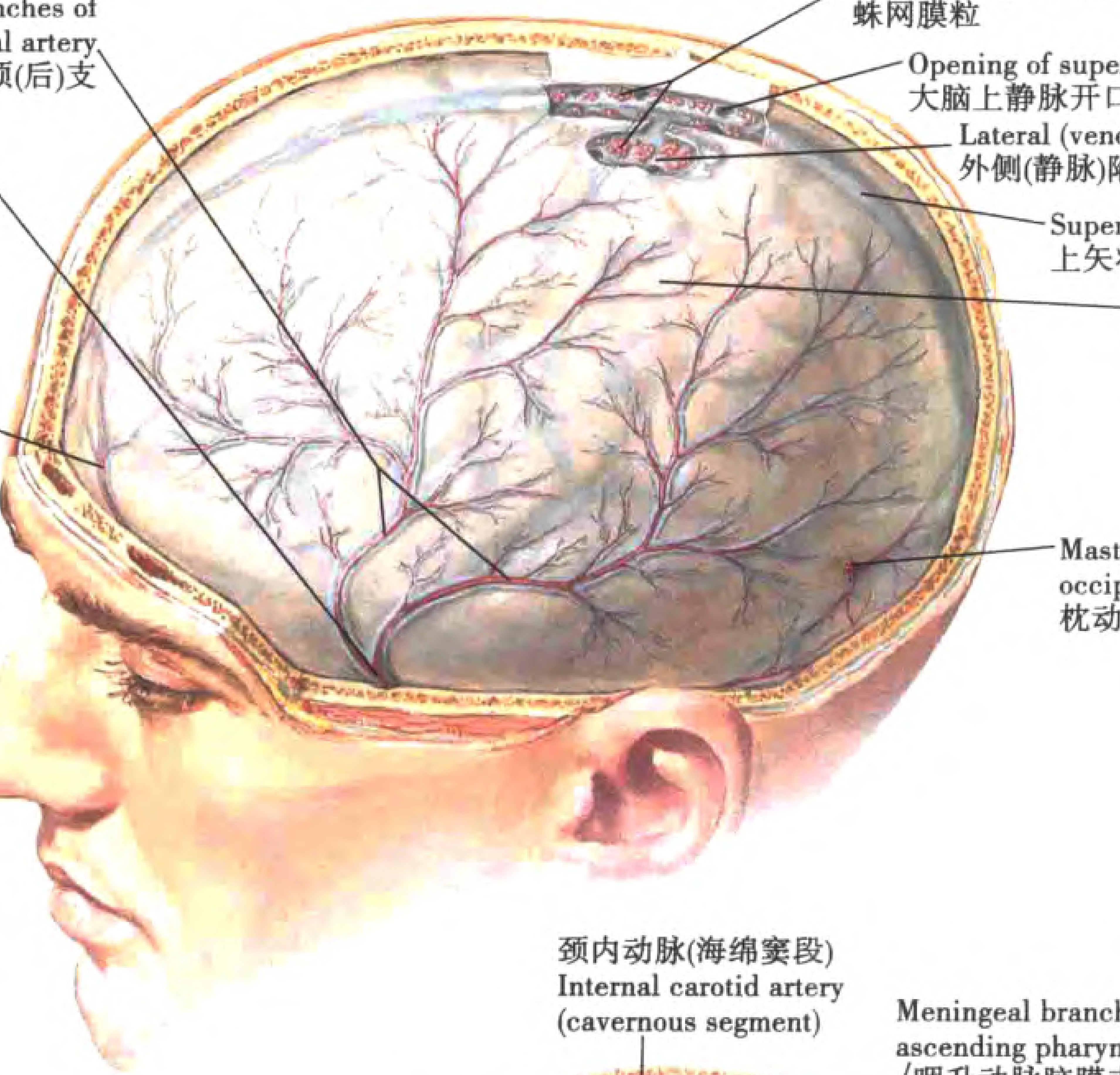
颅底咽鼓管软骨部：下面观
Cartilaginous part of pharyngotympanic (auditory,eustachian) tube at base of skull: inferior view

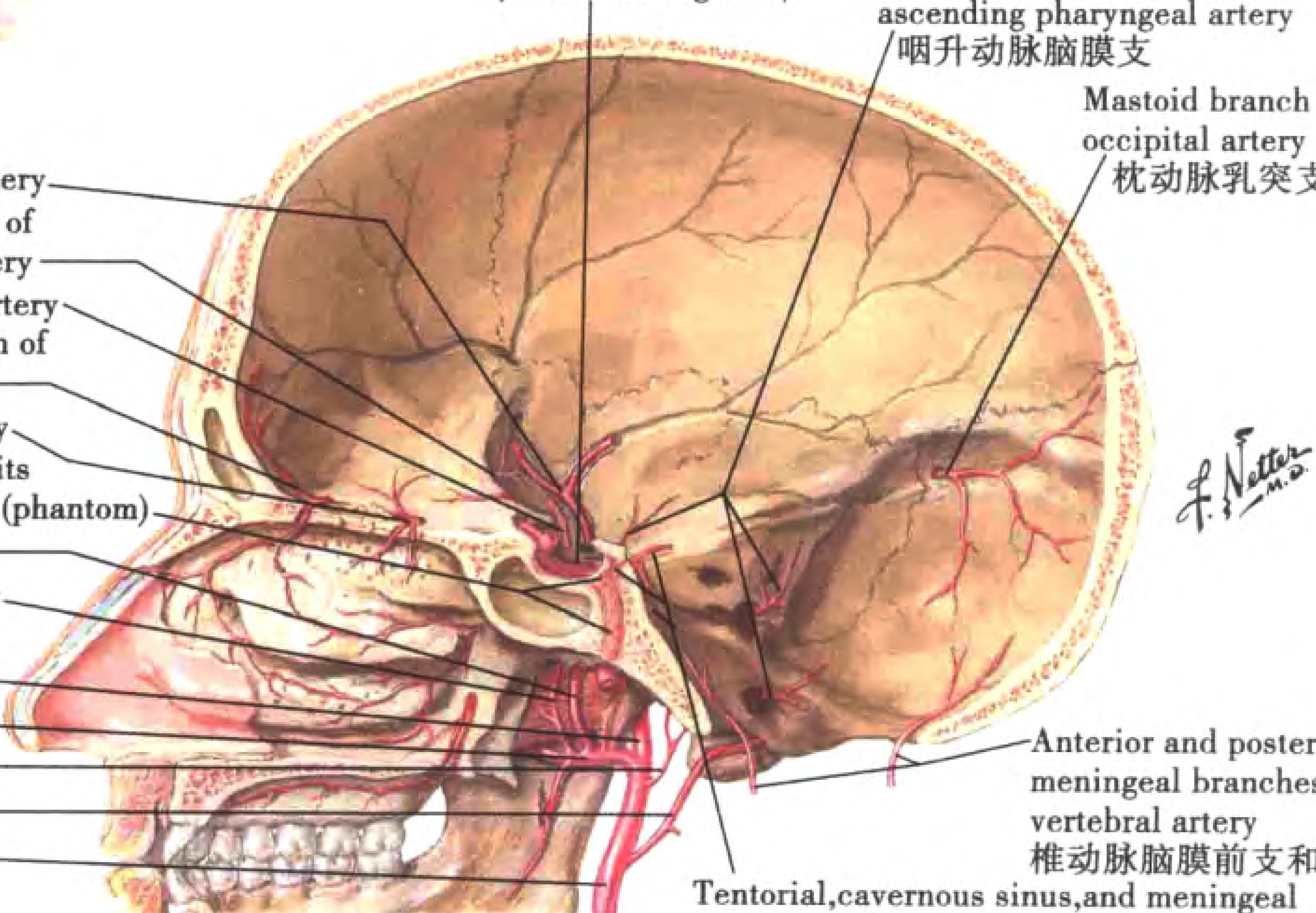


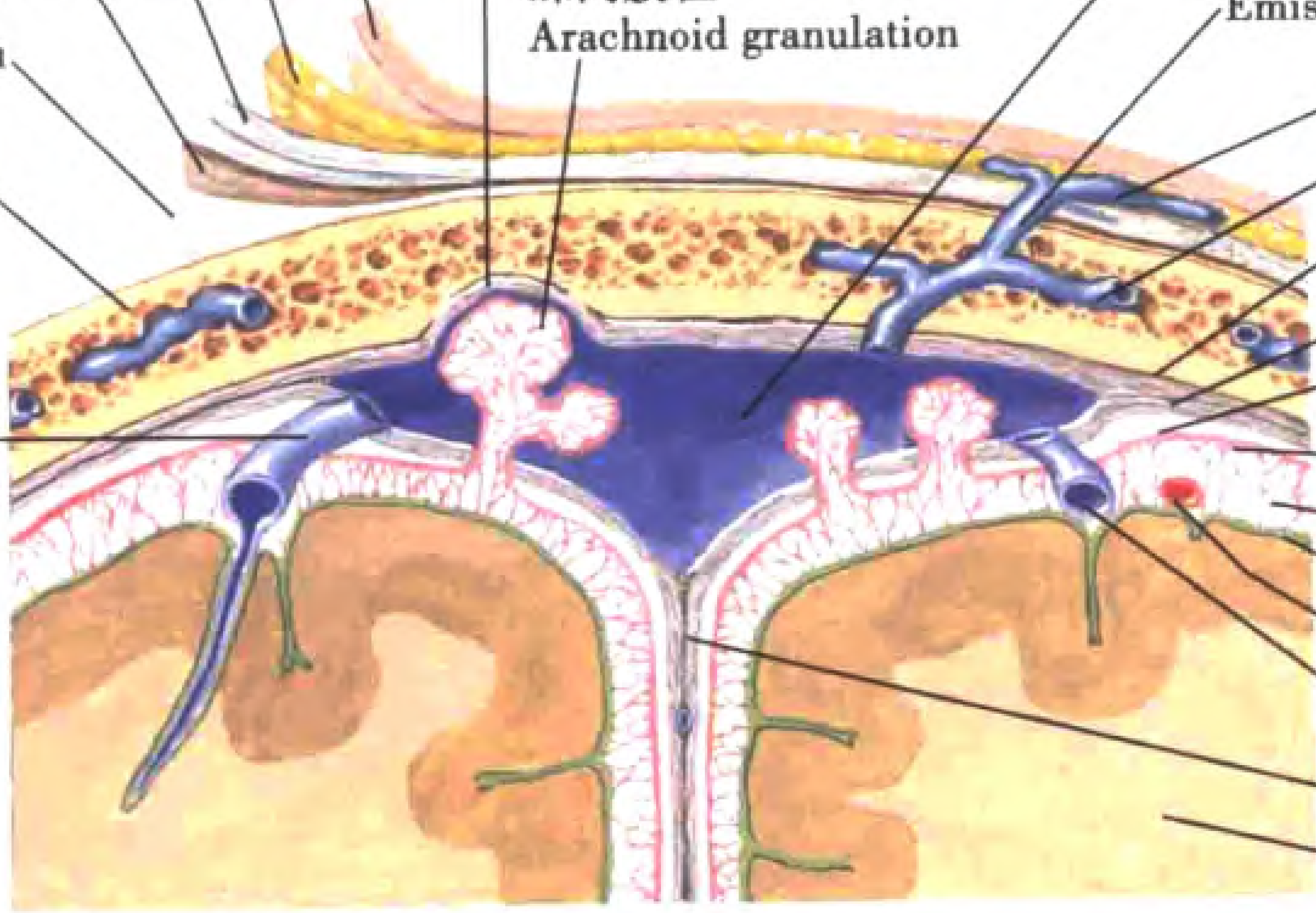

冠状面解剖
Coronal dissection
板障静脉 Diploic veins
Arachnoid granulation 蛛网膜粒
大脑静脉(桥静脉)穿过硬膜下间隙入硬脑膜窦
Cerebral vein (bridging vein) penetrates subdural space to enter sinus
上矢状窦 Superior sagittal sinus
Dura mater (periosteal and meningeal layers)
硬脑膜(鼓骨膜与脑膜层)
导静脉 Emissary vein
Dura-skull interface (site of epidural hematoma)
硬脑膜-颅骨交界(硬膜外血肿发生部位)
颞浅静脉额支和顶支 Frontal and parietal tributaries of superficial temporal vein
Arachnoid 蛛网膜
Subarachnoid space 蛛网膜下腔
颞浅动脉额支和顶支 Frontal and parietal branches of superficial temporal artery
Pia mater 软脑膜
颗粒小凹(蛛网膜粒在颅骨上的压迹) Granular foveola (indentation of skull by arachnoid granulation)
Middle meningeal artery and vein
脑膜中动脉和静脉
Lateral (venous) lacuna (of Trolard)
外侧(静脉)陷窝
Deep, middle, and superficial temporal arteries and veins
颞深、中和浅动脉和静脉
Bridging vein
桥静脉
Inferior sagittal sinus
下矢状窦
Temporalis muscle
颞肌
Cavum septum pellucidum
透明隔腔
Superior thalamostriate and choroidal veins, internal cerebral veins, and choroid plexus of lateral ventricle
丘脑纹上静脉和脉络丛静脉、大脑内静脉和侧脑室脉络丛
Deep and superficial middle cerebral veins
大脑中深静脉和浅静脉
Diploic and emissary veins of skull
颅骨板障与导静脉
Parietal emissary vein
顶导静脉
Frontal diploic vein
额板障静脉
Posterior temporal diploic vein
颞后板障静脉
Occipital emissary vein
枕导静脉
Anterior temporal diploic vein
颞前板障静脉
Occipital diploic vein
枕板障静脉
Mastoid emissary vein
乳突导静脉

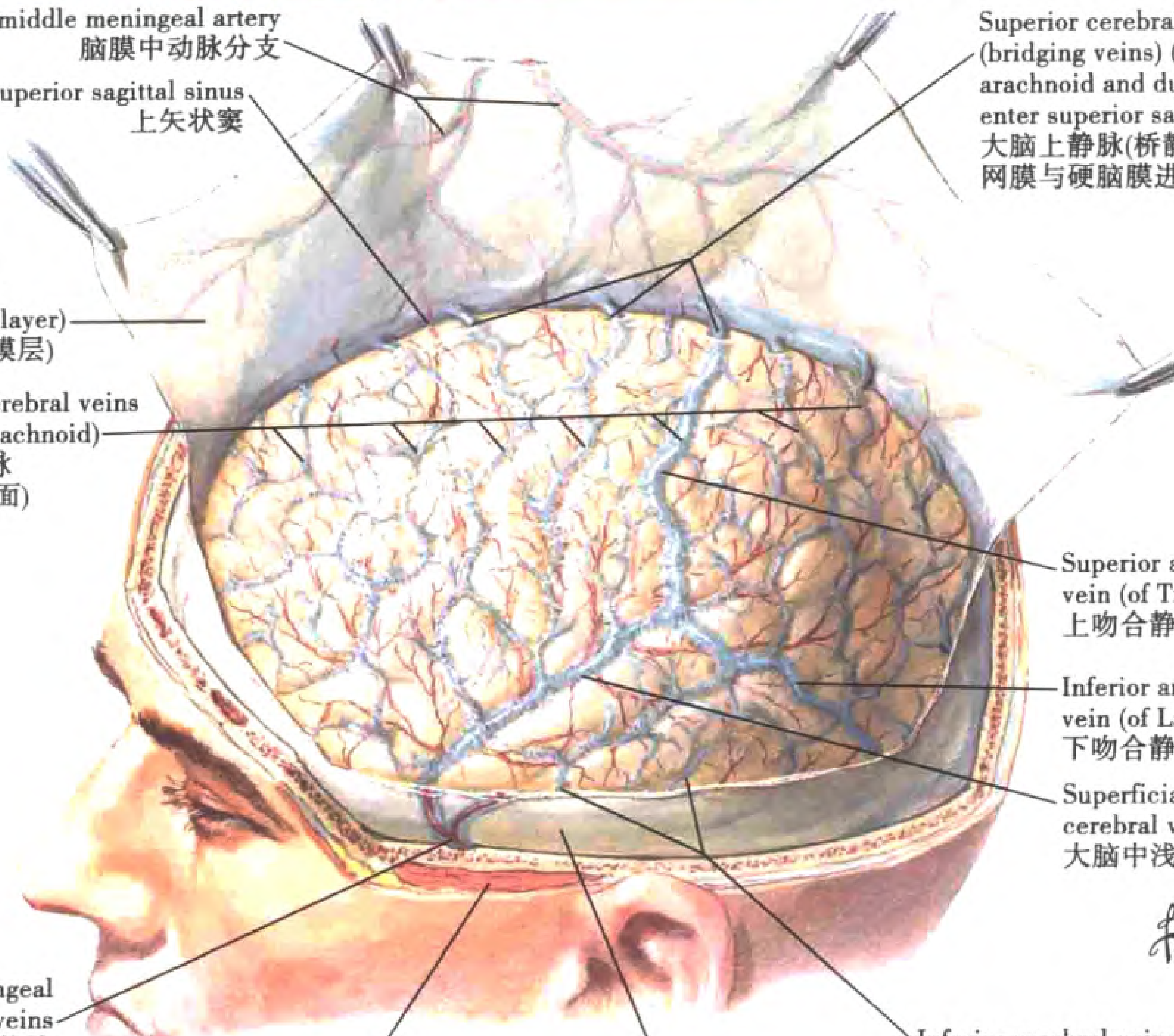
脑膜的动脉

参见图 9,51,137

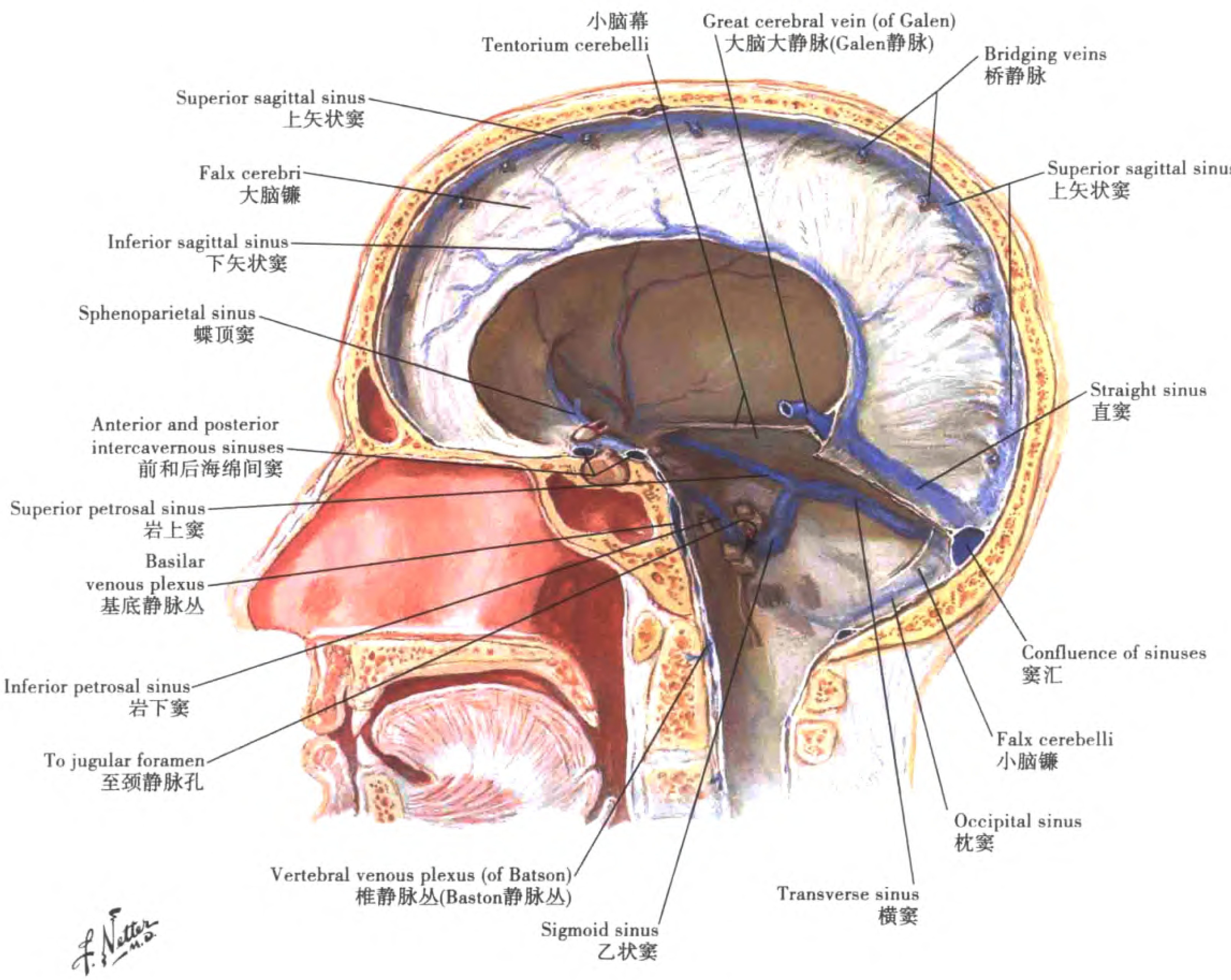




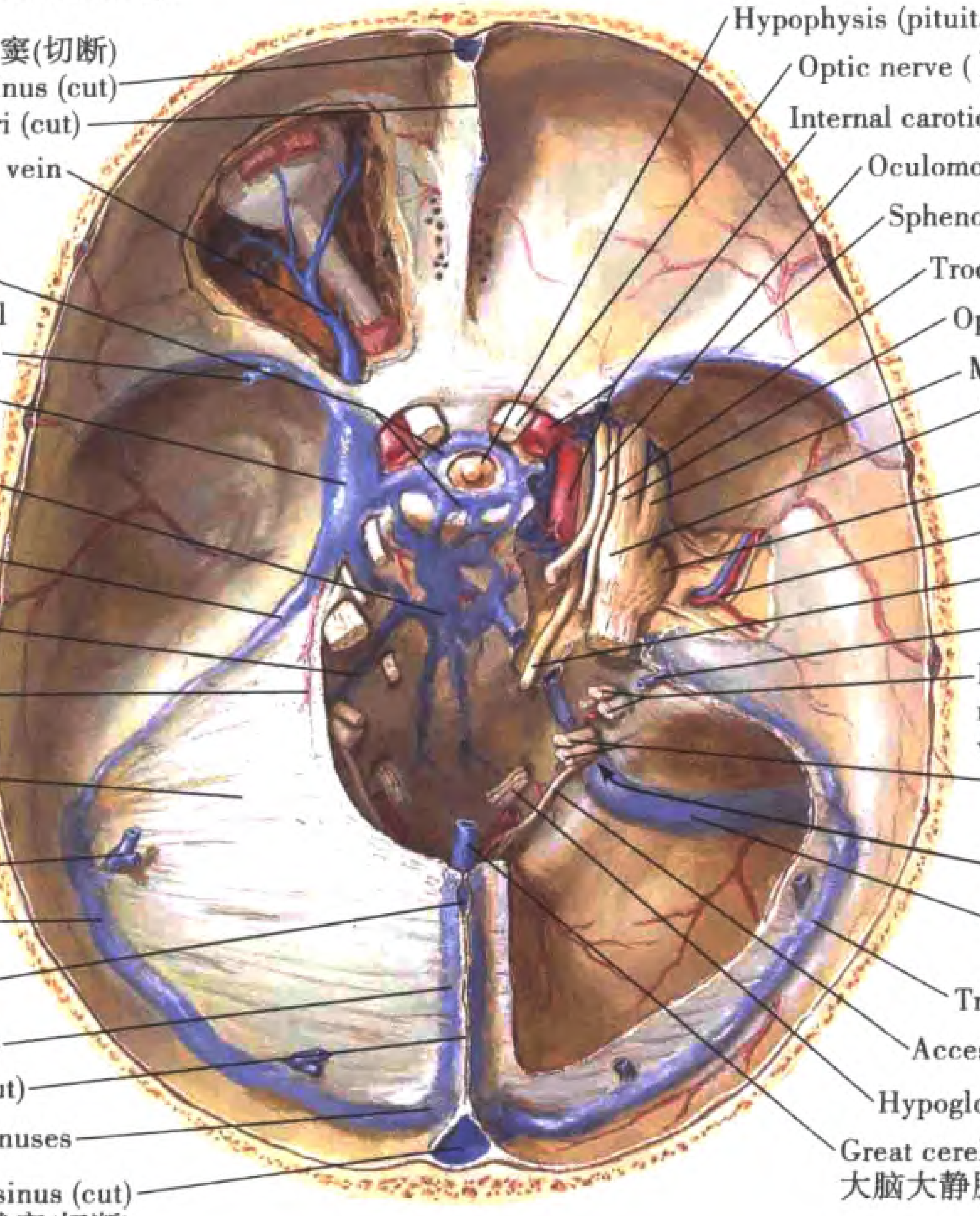

皮肤 Skin
结缔组织 Connective tissue
帽状腱膜 Epicranial aponeurosis
疏松结缔组织 Loose areolar tissue
颅骨膜 Pericranium
Calvaria
颅顶
Granular foveola 颗粒小凹
蛛网膜粒
Arachnoid granulation
Superior sagittal sinus 上矢状窦
Emissary vein 导静脉
Tributary of superficial temporal vein 颞浅静脉分支
Diploic vein 板障静脉
Dura-skull interface (site of epidural hematoma) 硬膜外间隙(硬膜外血肿发生部位)
Dura mater 硬脑膜
Arachnoid-dura interface (site of subdural hematoma) 硬膜下间隙(硬膜下血肿发生部位)
Bridging vein
桥静脉
Arachnoid 蛛网膜
Subarachnoid space 蛛网膜下腔
Pia mater 软脑膜
Cerebral artery 大脑动脉
Superior cerebral vein 大脑上静脉
Falx cerebri 大脑镰
Cerebral hemisphere 大脑半球

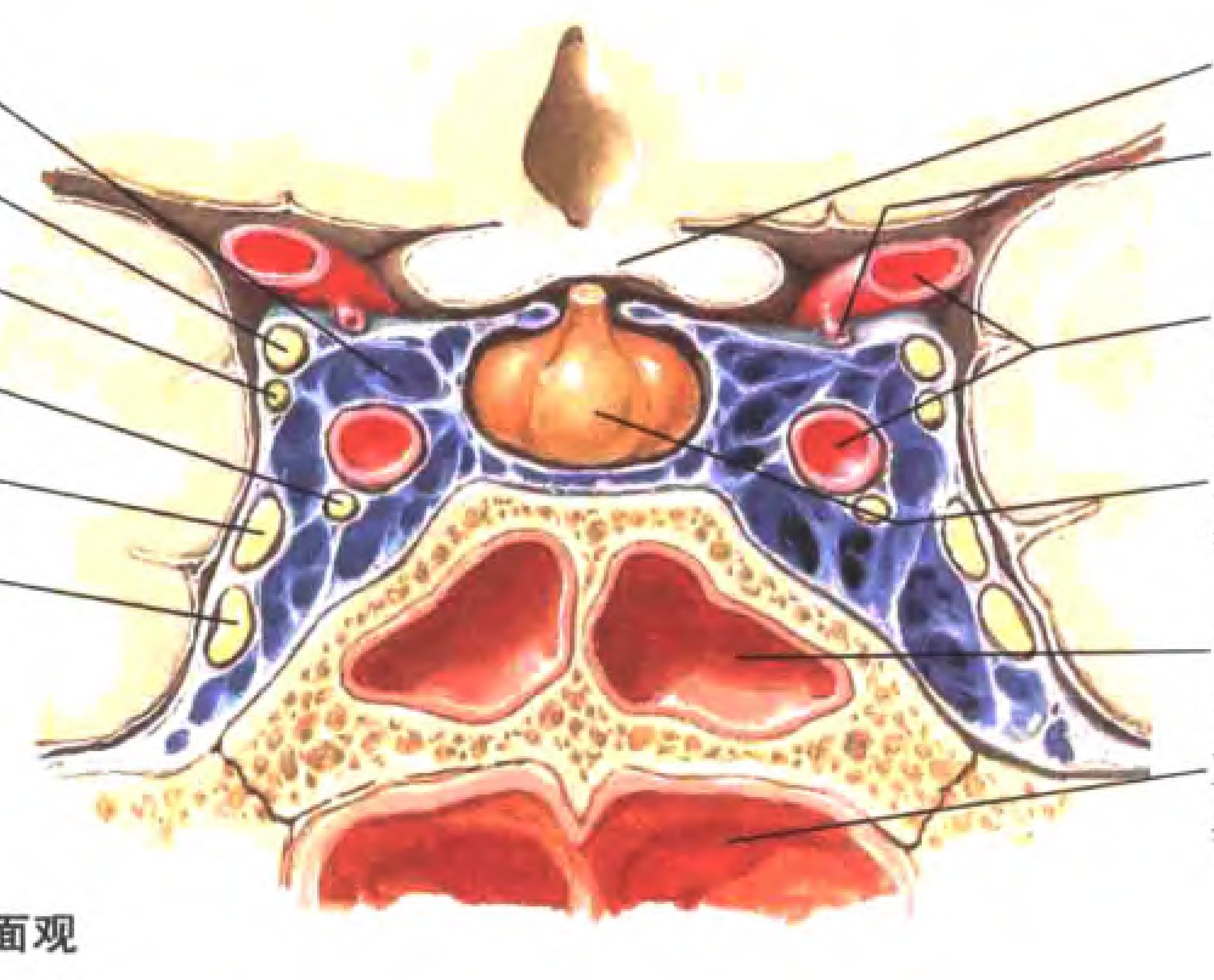

Branches of middle meningeal artery
脑膜中动脉分支
Superior sagittal sinus
上矢状窦
Superior cerebral veins (bridging veins) (penetrating arachnoid and dura mater to enter superior sagittal sinus)
大脑上静脉(桥静脉)(穿过蛛网膜与硬脑膜进入上矢状窦)
Dura mater (meningeal layer)
硬脑膜(脑膜层)
Superior cerebral veins (beneath arachnoid)
大脑上静脉
(蛛网膜深面)
Superior anastomotic vein (of Trolard)
上吻合静脉
Inferior anastomotic vein (of Labbé)
下吻合静脉
Superficial middle cerebral vein
大脑中浅静脉
Middle meningeal artery and veins
大脑中动脉和静脉
Temporalis muscle
颞肌
Dura mater (endostial layer)
硬脑膜(骨膜层)
Inferior cerebral veins (beneath arachnoid)
大脑下静脉(蛛网膜深面)

矢状断面
Sagittal section

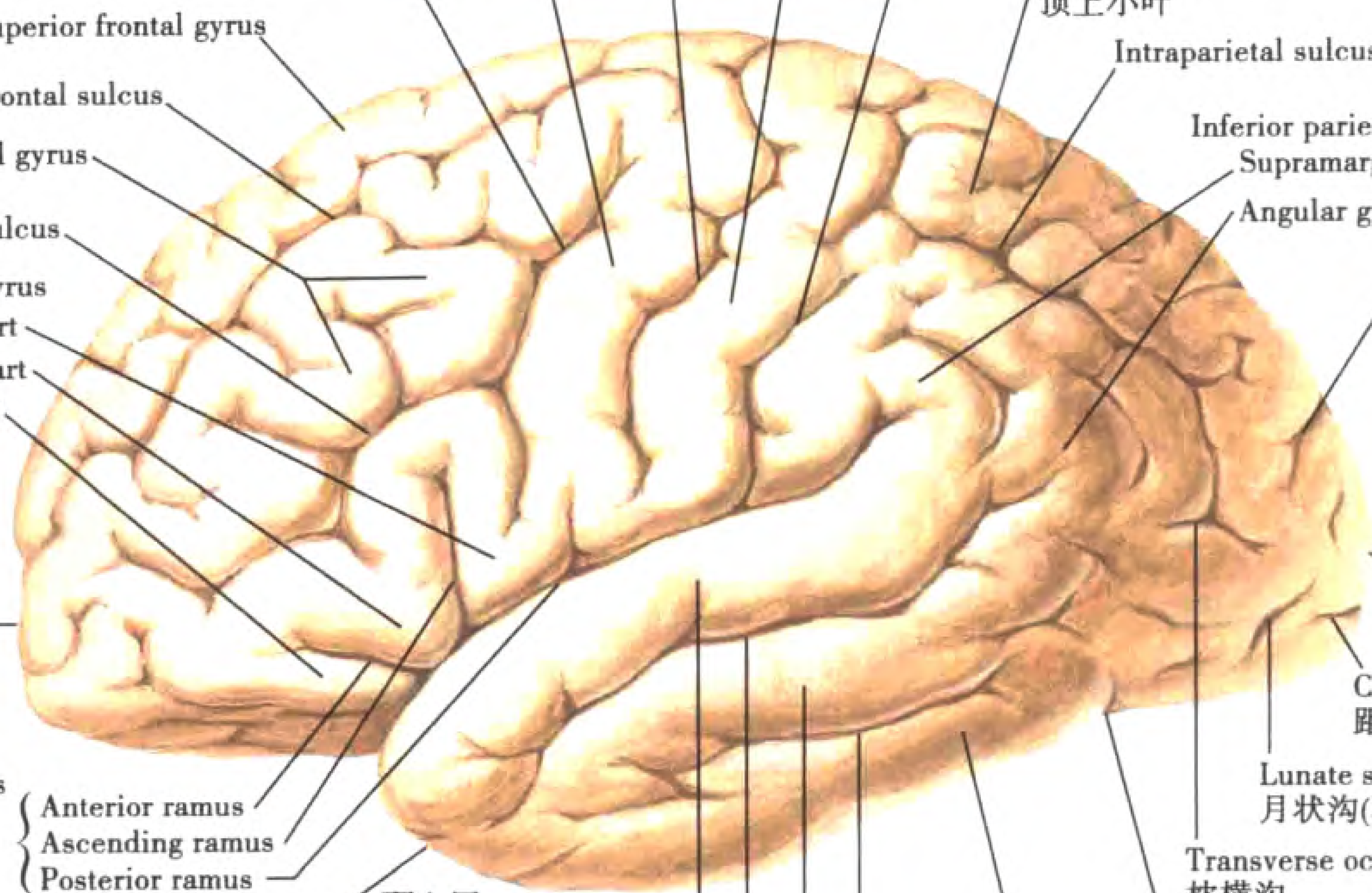


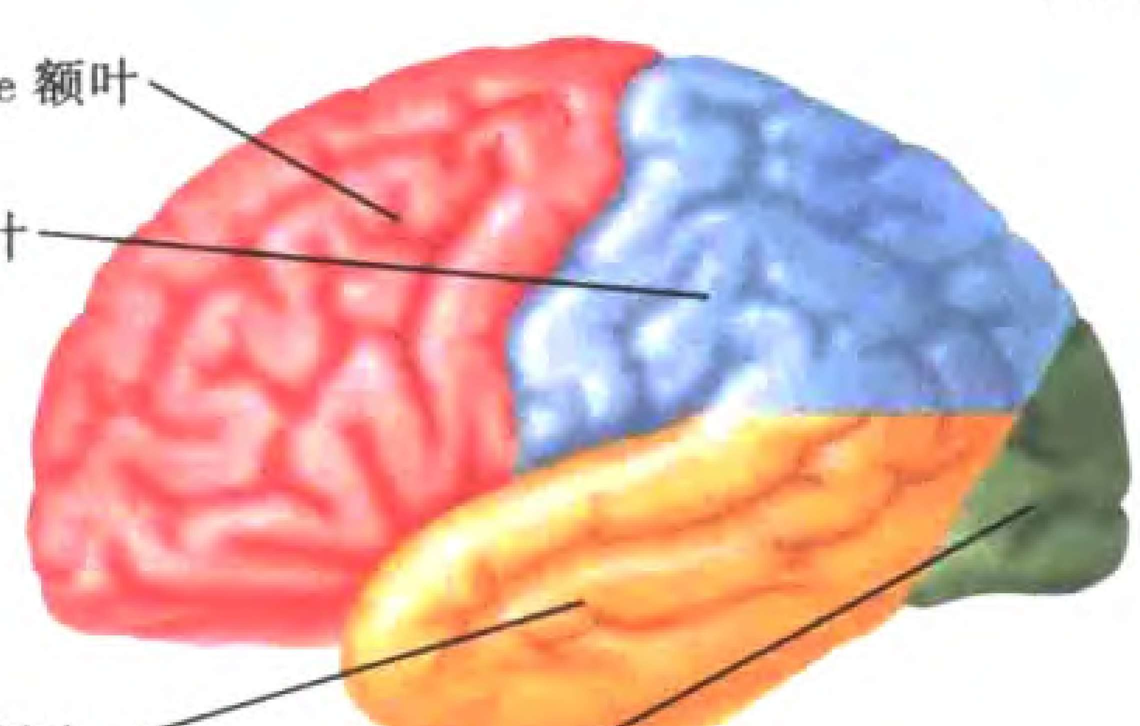
颅骨水平断面：上面观
Skull sectioned horizontally: superior view

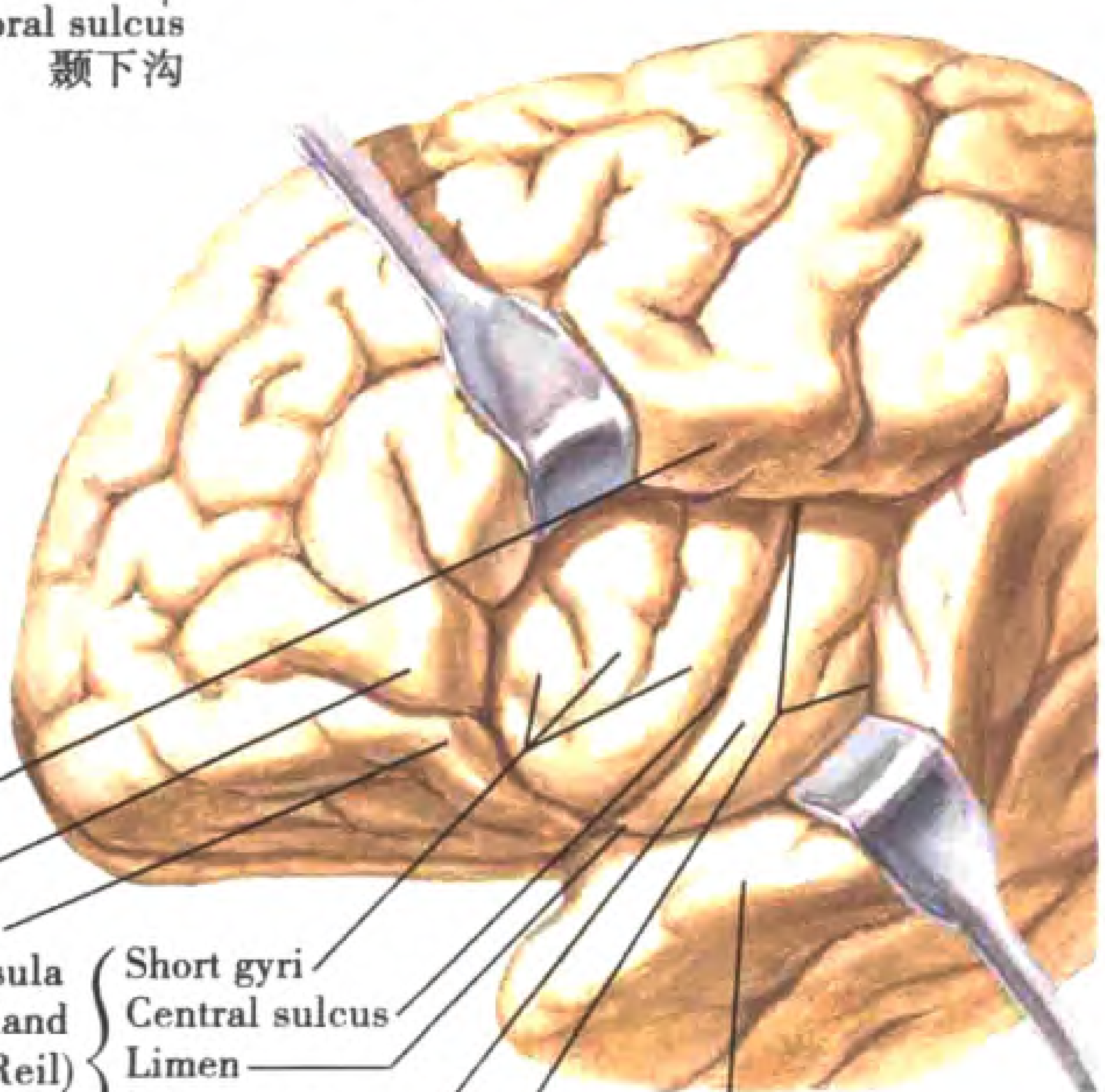




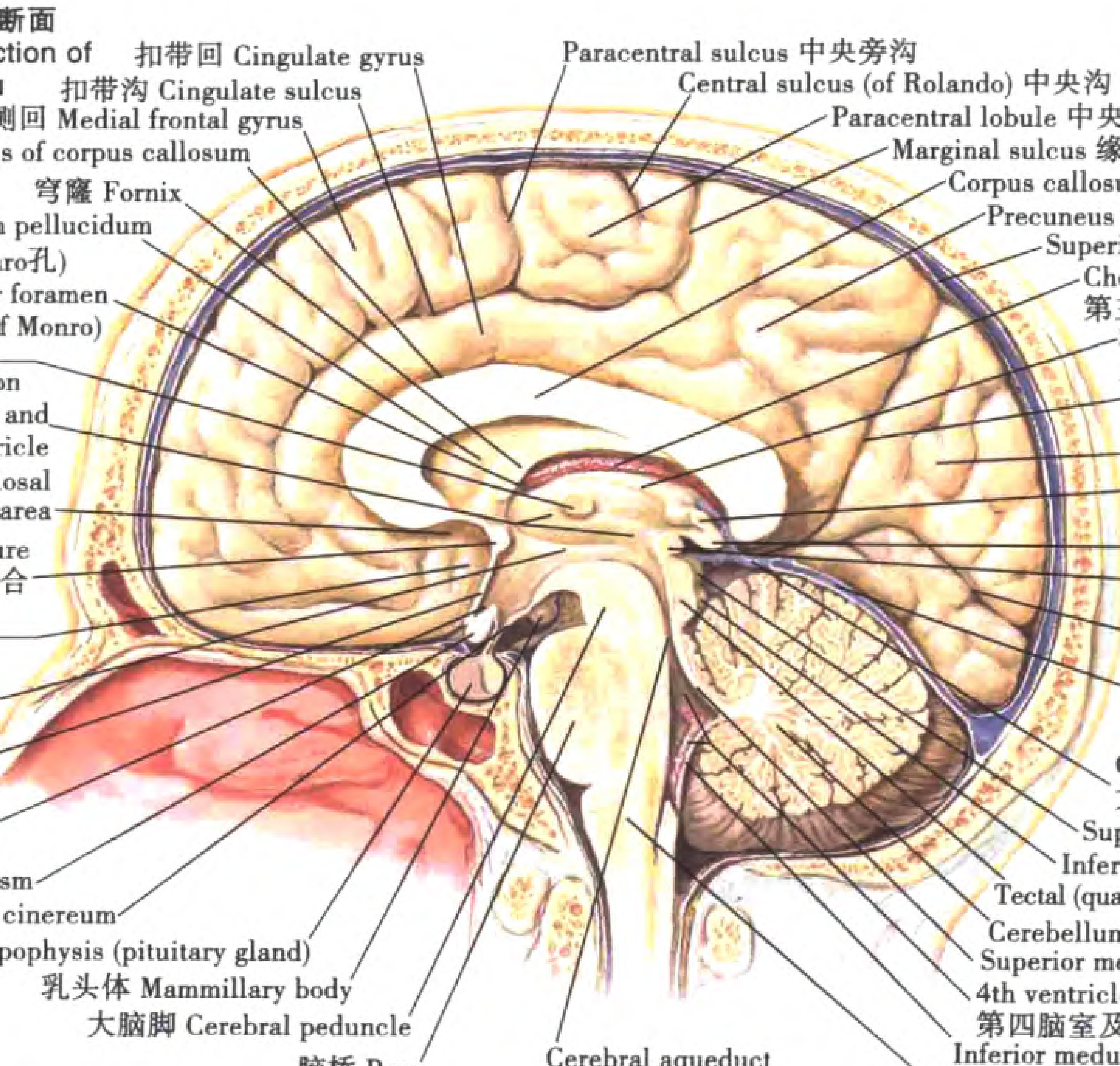
Coronal section through cavernous sinus: posterior view
通过海绵窦的冠状断面：后面观


中央沟(Rolando) Central sulcus (of Rolando)
中央前回 Precentral gyrus
中央前沟 Precentral sulcus
额上回 Superior frontal gyrus
额上沟 Superior frontal sulcus
额中回 Middle frontal gyrus
额下沟 Inferior frontal sulcus
额下回 Inferior frontal gyrus
岛盖部 Opercular part
三角部 Triangular part
Orbital part 眶部
Frontal pole 额极
前支 升支 后支
Lateral sulcus (of Sylvius) 外侧沟 (Sylvius沟)
Anterior ramus
Ascending ramus
Posterior ramus
Temporal pole 颞极
颞上回 Superior temporal gyrus
颞上沟 Superior temporal sulcus
颞中回 Middle temporal gyrus
Inferior temporal sulcus 颞下沟
Postcentral gyrus 中央后回
Postcentral sulcus 中央后沟
Superior parietal lobule 顶上小叶
Intraparietal sulcus 顶内沟
Inferior parietal lobule 顶下小叶
Supramarginal gyrus 缘上回
Angular gyrus 角回
Parietooccipital sulcus 顶枕沟
Occipital pole 枕极
Calcarine sulcus 距状沟
Lunate sulcus (inconstant) 月状沟(不恒定)
Transverse occipital sulcus 枕横沟
Preoccipital notch 枕前切迹
Inferior temporal gyrus 颞下回

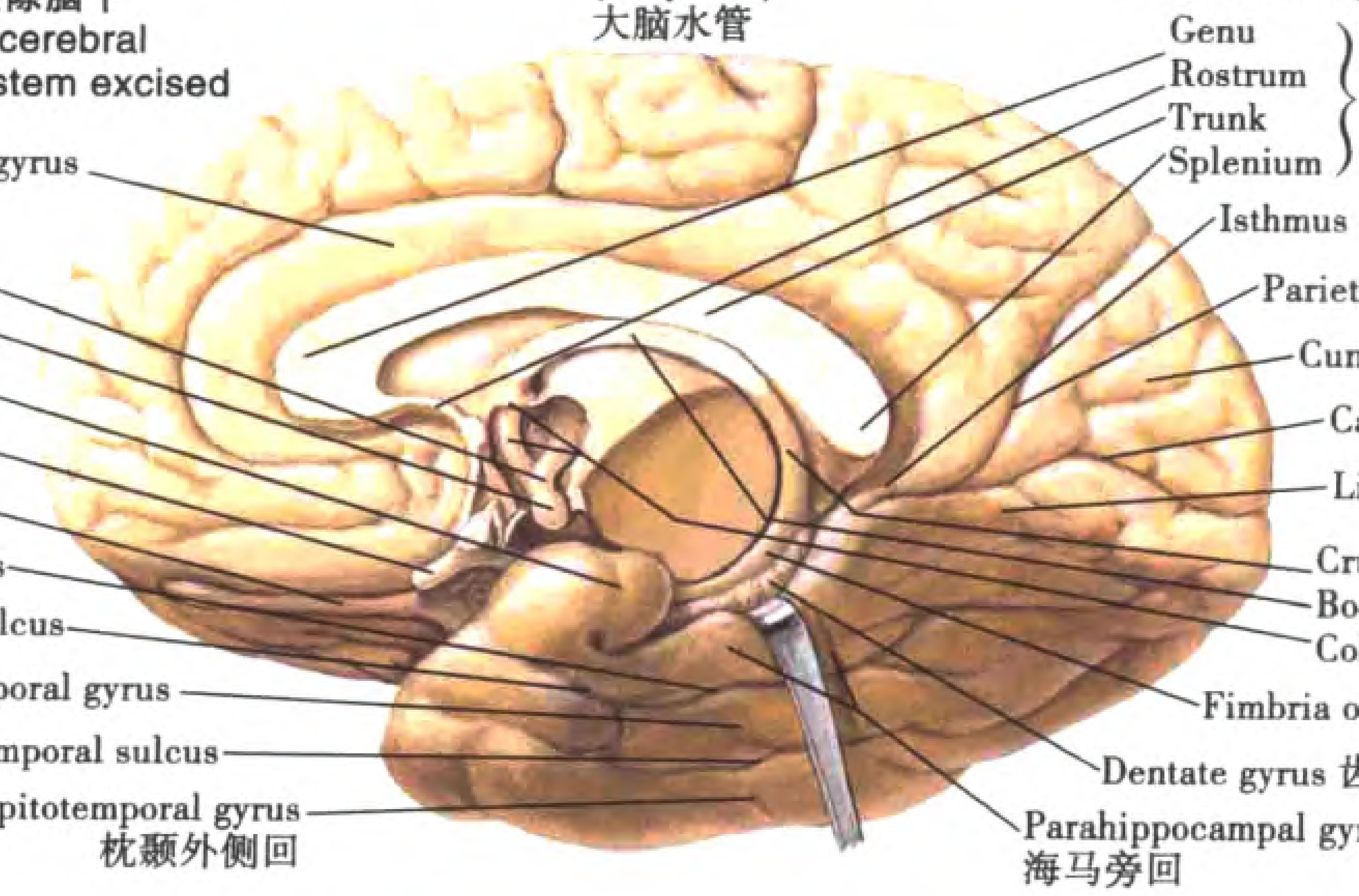

Frontal lobe 额叶
Parietal lobe 顶叶
Temporal lobe 颞叶
Occipital lobe 枕叶

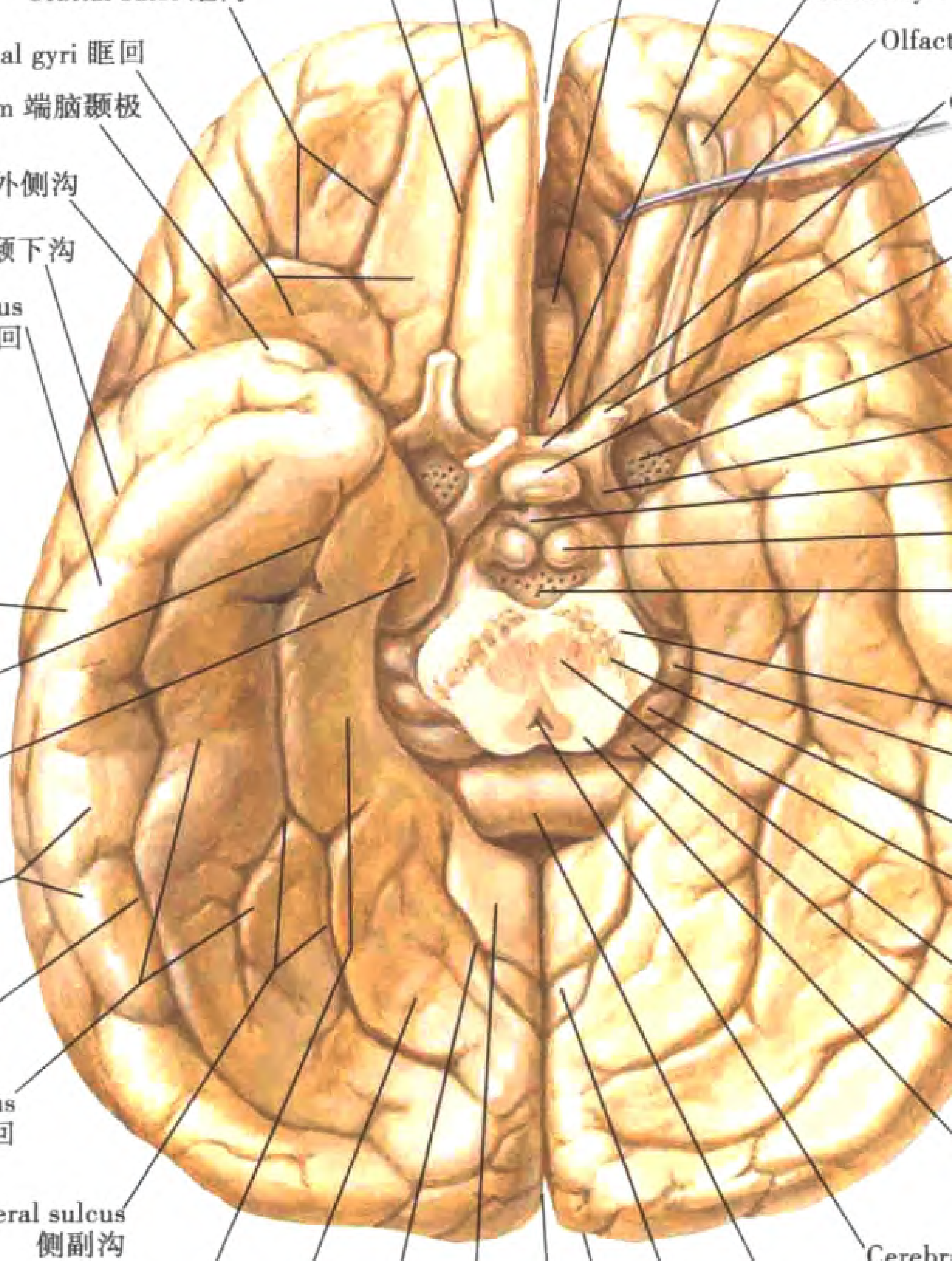

顶叶岛盖 Parietal operculum
额叶岛盖 Frontal operculum
眶岛盖 Orbital operculum
短回 中央沟 岛阈 长回 环状沟
Insula (island of Reil) 岛叶 (Reil岛)
Short gyri
Central sulcus
Limen
Long gyrus
Circular sulcus
Temporal operculum 颞叶岛盖

脑原位矢状断面
Sagittal section of brain in situ

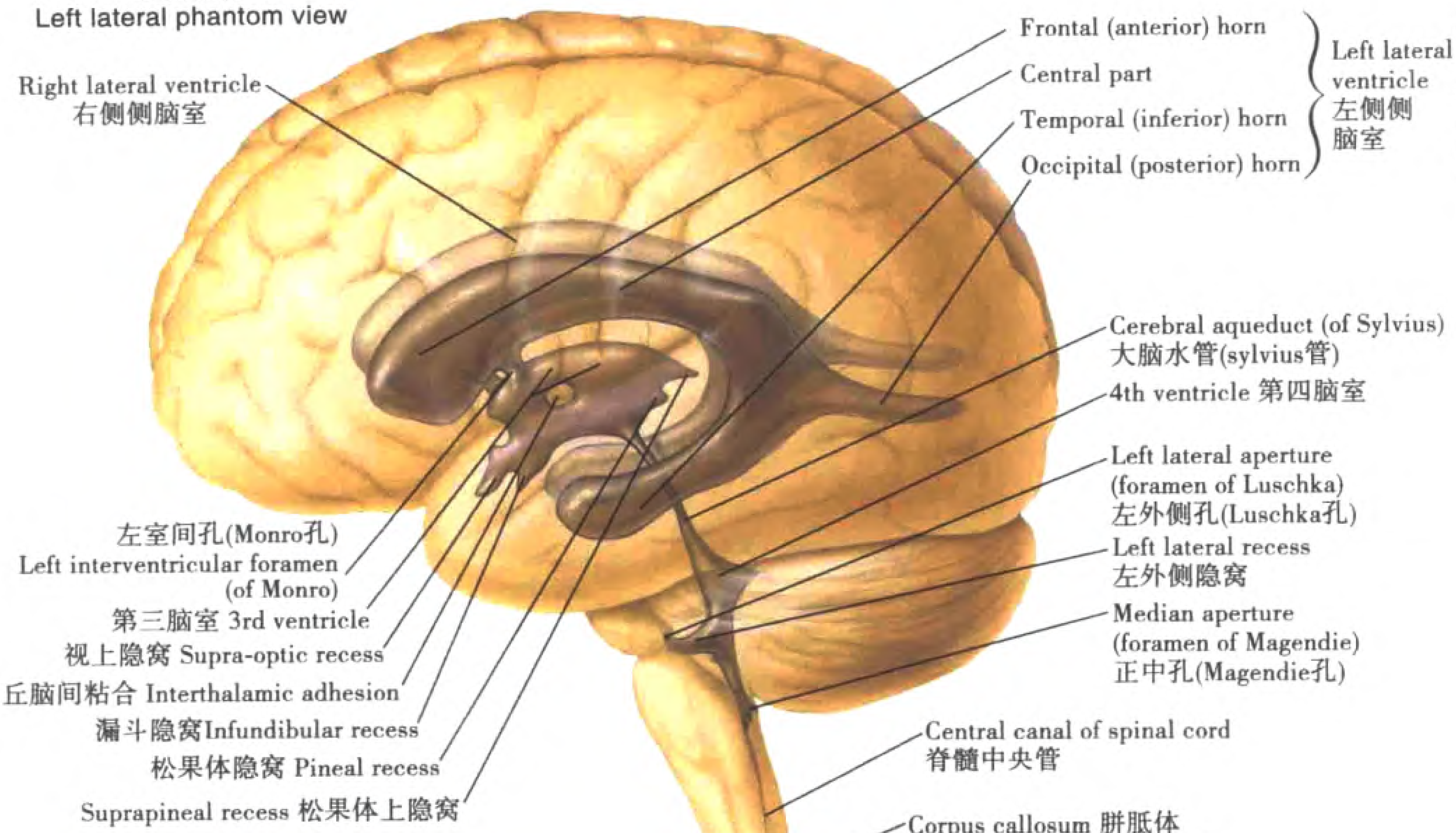


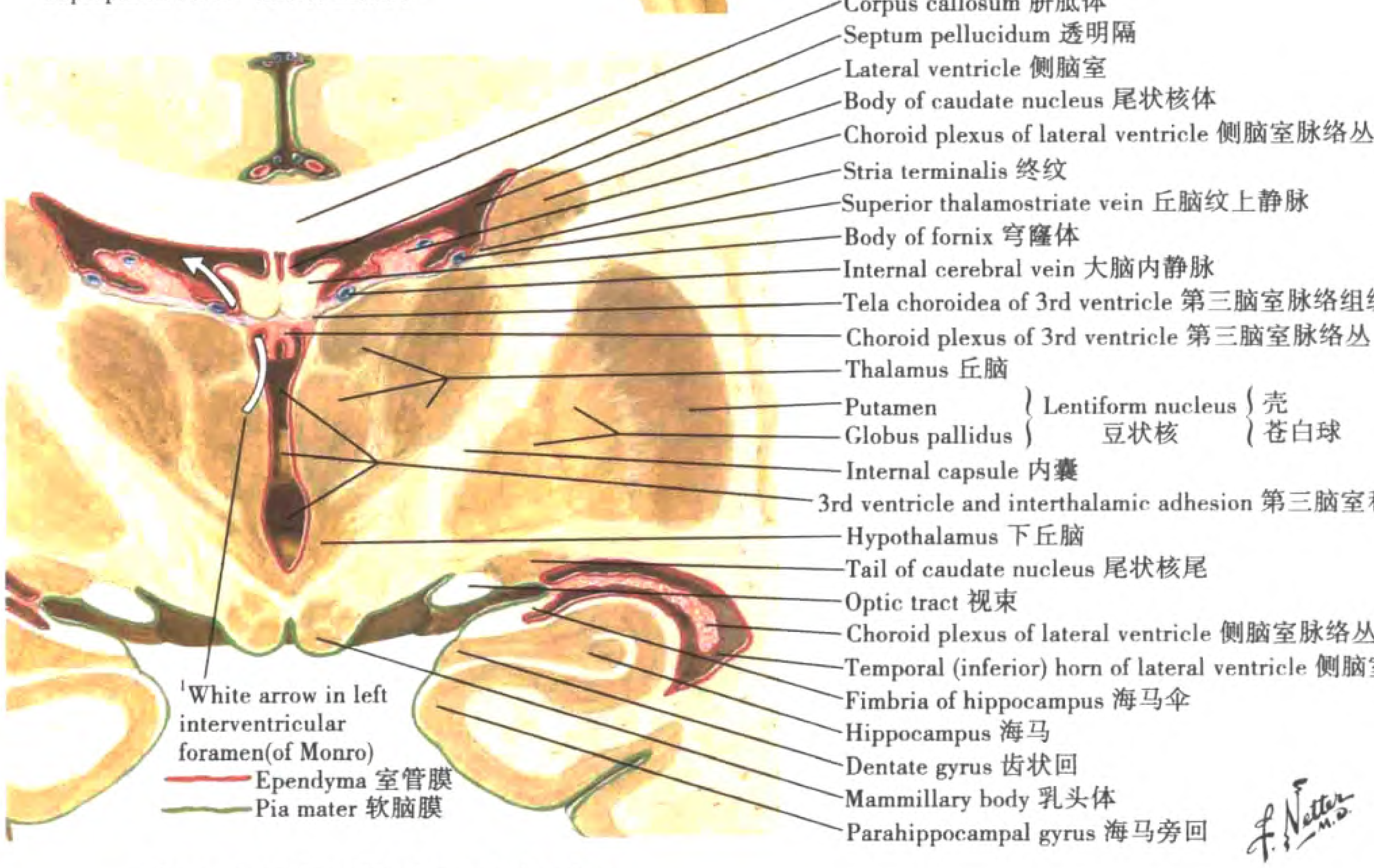
大脑半球内侧面：去除脑干
Medial surface of cerebral hemisphere: brainstem excised




Sectioned brainstem
脑干断面
端脑额叶
Frontal pole of cerebrum
Straight gyrus 直回
Olfactory sulcus 嗅沟
Orbital sulci 眶沟
Orbital gyri 眶回
Temporal pole of cerebrum 端脑颞极
Lateral sulcu (of Sylvius) 外侧沟
Inferior temporal sulcus 颞下沟
Inferior temporal gyrus
颞下回
Inferior (inferolateral)
margin of cerebrum
端脑下(下外侧)缘
Rhinal sulcus 嗅脑沟
Uncus 钩
Inferior temporal gyrus
颞下回
Occipitotemporal sulcus
枕颞沟
Lateral occipitotemporal gyrus
枕颞外侧回
Collateral sulcus
侧副沟
Parahippocampal gyrus
海马旁回
Medial occipitotemporal gyrus
枕颞内侧回
Calcarine sulcus
距状沟
Isthmus of cingulate gyrus
扣带回峡
Longitudinal cerebral fissure 大脑纵裂
Genu of corpus callosum 胼胝体膝
Lamina terminalis 终板
Olfactory bulb 嗅球
Olfactory tract 视束
Optic chiasm 视交叉
Optic nerve (Ⅱ) (cut) 视神经(切断)
Hypophysis (pituitary gland)
垂体
Anterior perforated substance
前穿质
Optic tract 视束
Tuber cinereum 灰结节
Mammillary body 乳头体
Posterior perforated substance
(in interpeduncular fossa)
后穿质(脚间窝内)
Cerebral crus 大脑脚
Lateral geniculate body
外侧膝状体
Substantia nigra 黑质
Medial geniculate body
内侧膝状体
Red nucleus 红核
Pulvinar of thalamus 丘脑枕
Superior colliculus (of corpora
quadrigemina)
(四叠体)上丘
Cerebral aqueduct 大脑导水管
Splenium of corpus callosum 胼胝体压部
Apex of cuneus 楔叶尖部
Occipital pole of cerebrum 端脑枕极
Longitudinal cerebral fissure
大脑纵裂

左侧投影
Left lateral phantom view

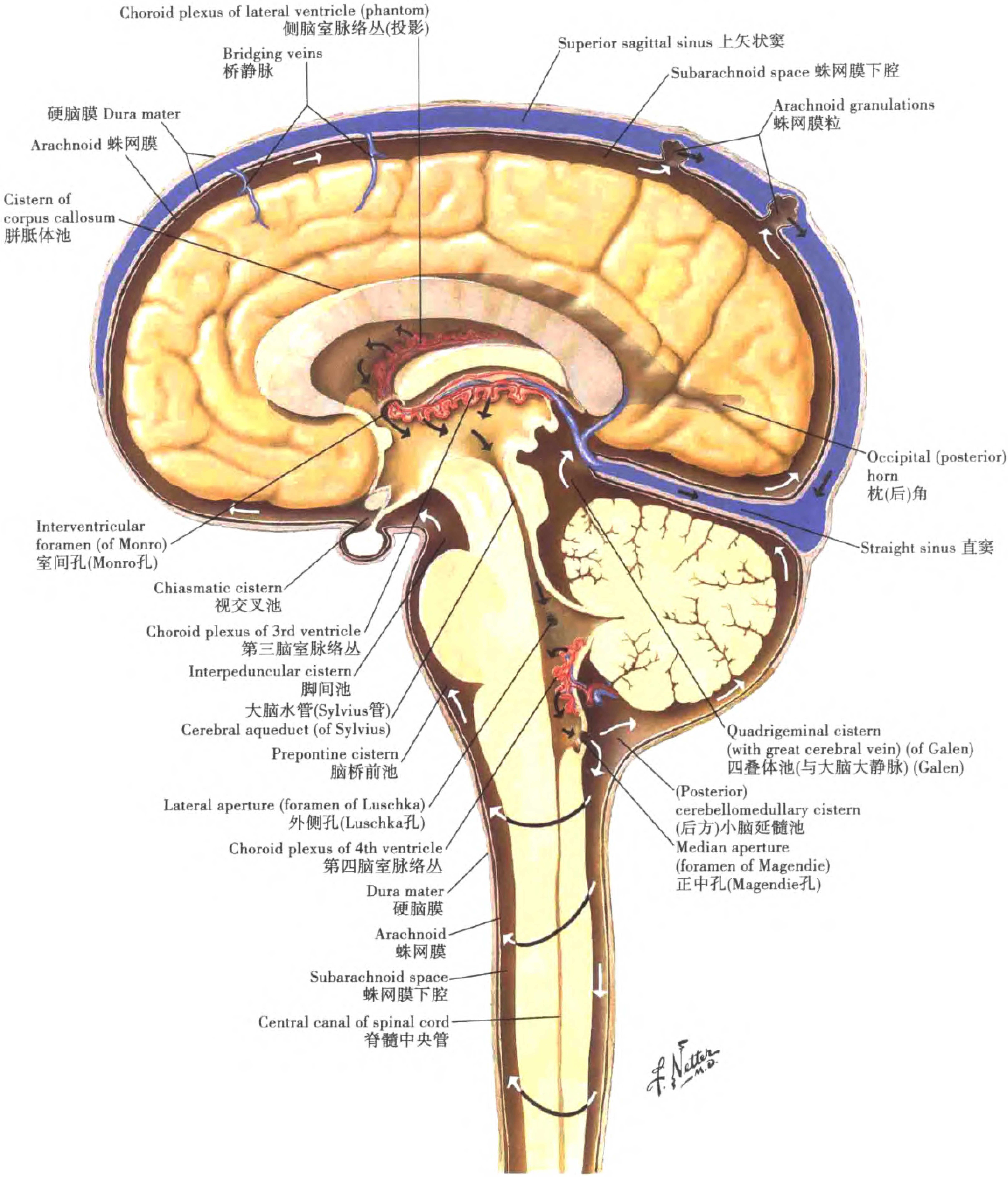




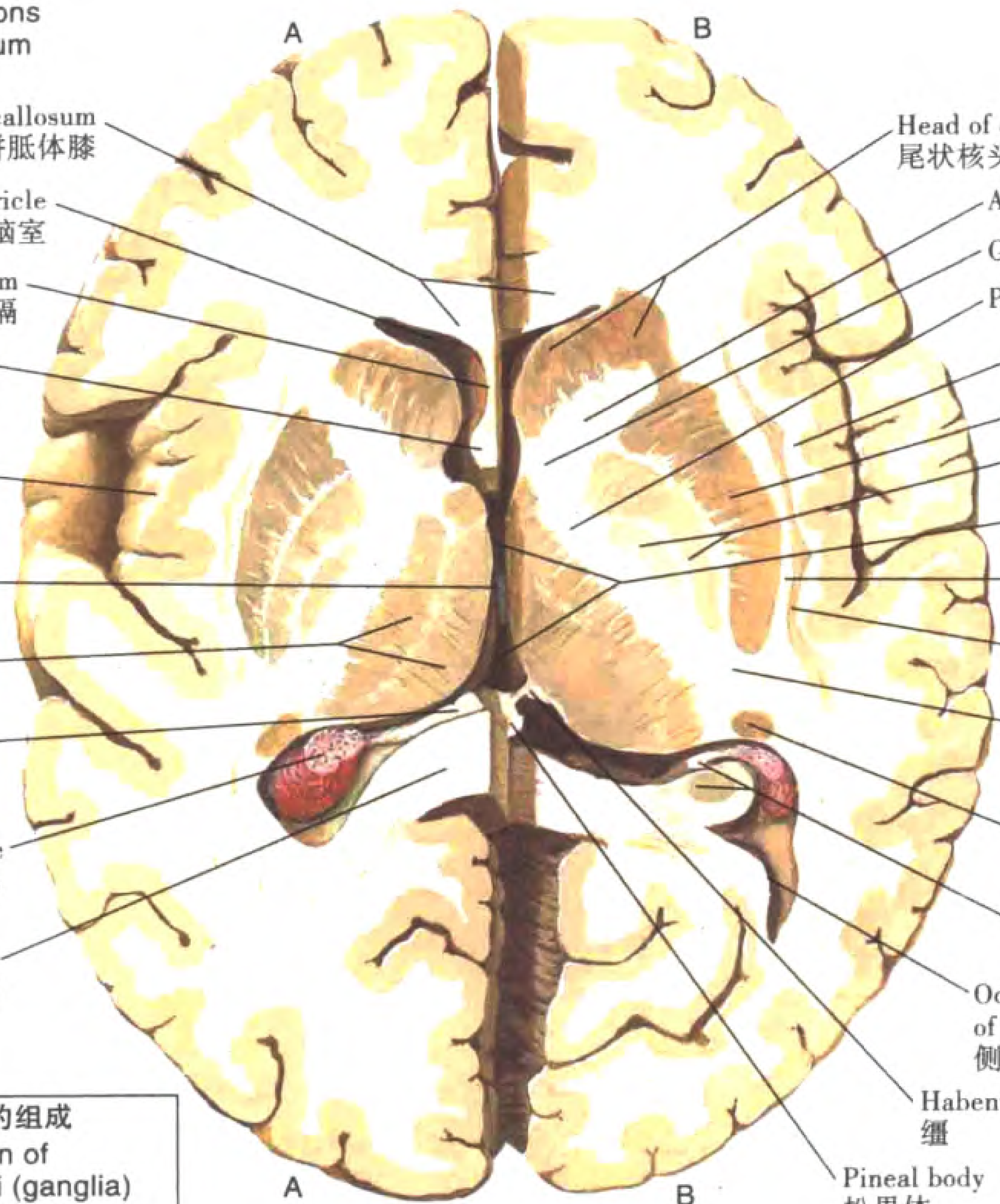
Coronal section of brain:posterior view
脑冠状断面:后面观

[1]白箭头示 左室间孔(Monro孔)

参见图 109,147

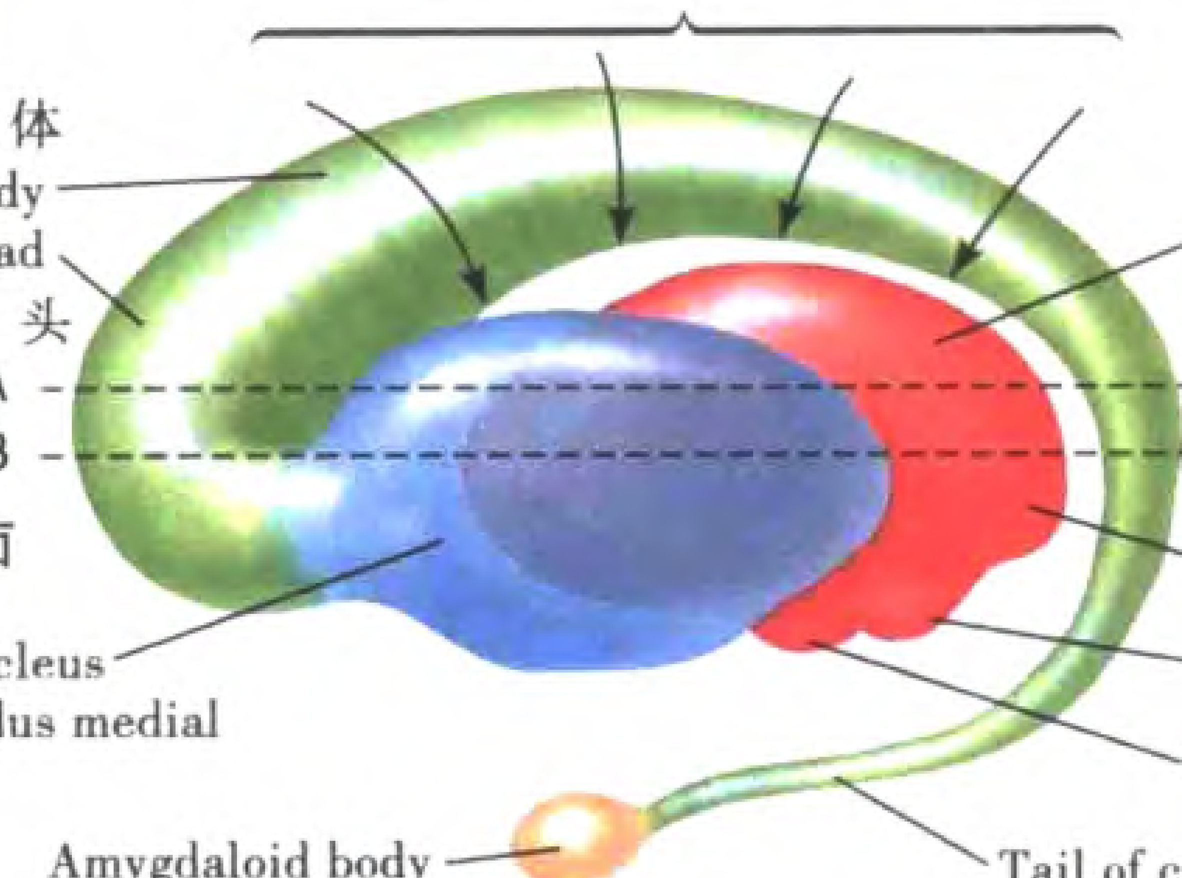

Choroid plexus of lateral ventricle (phantom)
侧脑室脉络丛(投影)
Bridging veins
桥静脉
硬脑膜 Dura mater
Arachnoid 蛛网膜
Cistern of
corpus callosum
胼胝体池
Superior sagittal sinus 上矢状窦
Subarachnoid space 蛛网膜下腔
Arachnoid granulations
蛛网膜粒
Occipital (posterior)
horn
枕(后)角
Straight sinus 直窦
Interventricular
foramen (of Monro)
室间孔(Monro孔)
Chiasmatic cistern
视交叉池
Choroid plexus of 3rd ventricle
第三脑室脉络丛
Interpeduncular cistern
脚间池
大脑水管(Sylvius管)
Cerebral aqueduct (of Sylvius)
Prepontine cistern
脑桥前池
Lateral aperture (foramen of Luschka)
外侧孔(Luschka孔)
Choroid plexus of 4th ventricle
第四脑室脉络丛
Dura mater
硬脑膜
Arachnoid
蛛网膜
Subarachnoid space
蛛网膜下腔
Central canal of spinal cord
脊髓中央管
Quadrigeminal cistern
(with great cerebral vein) (of Galen)
四叠体池(与大脑大静脉) (Galen)
(Posterior)
cerebellomedullary cistern
(后方)小脑延髓池
Median aperture
(foramen of Magendie)
正中孔(Magendie孔)

端脑水平断面
Horizontal sections through cerebrum



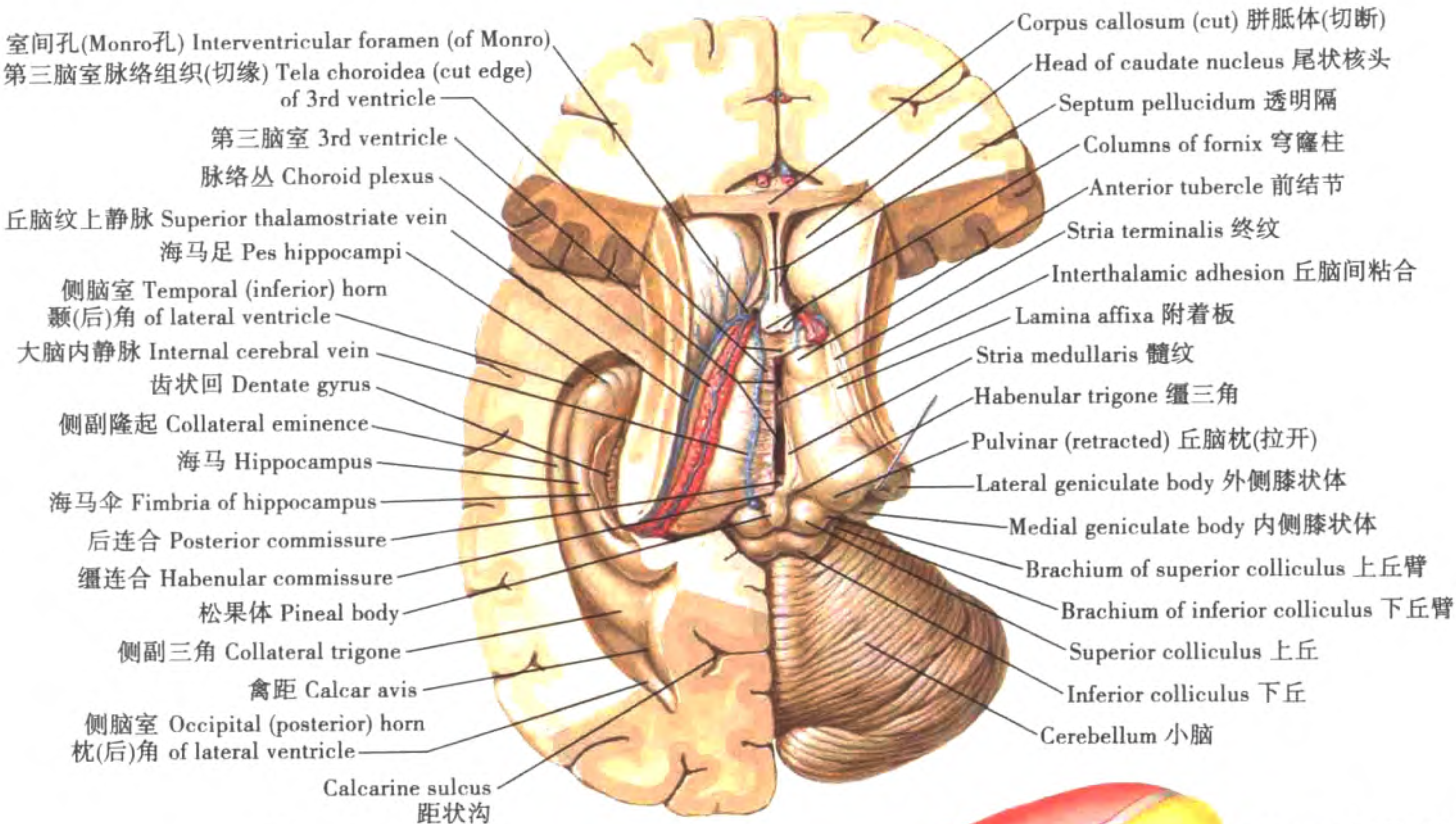
基底核的组成
Organization of basal nuclei (ganglia)

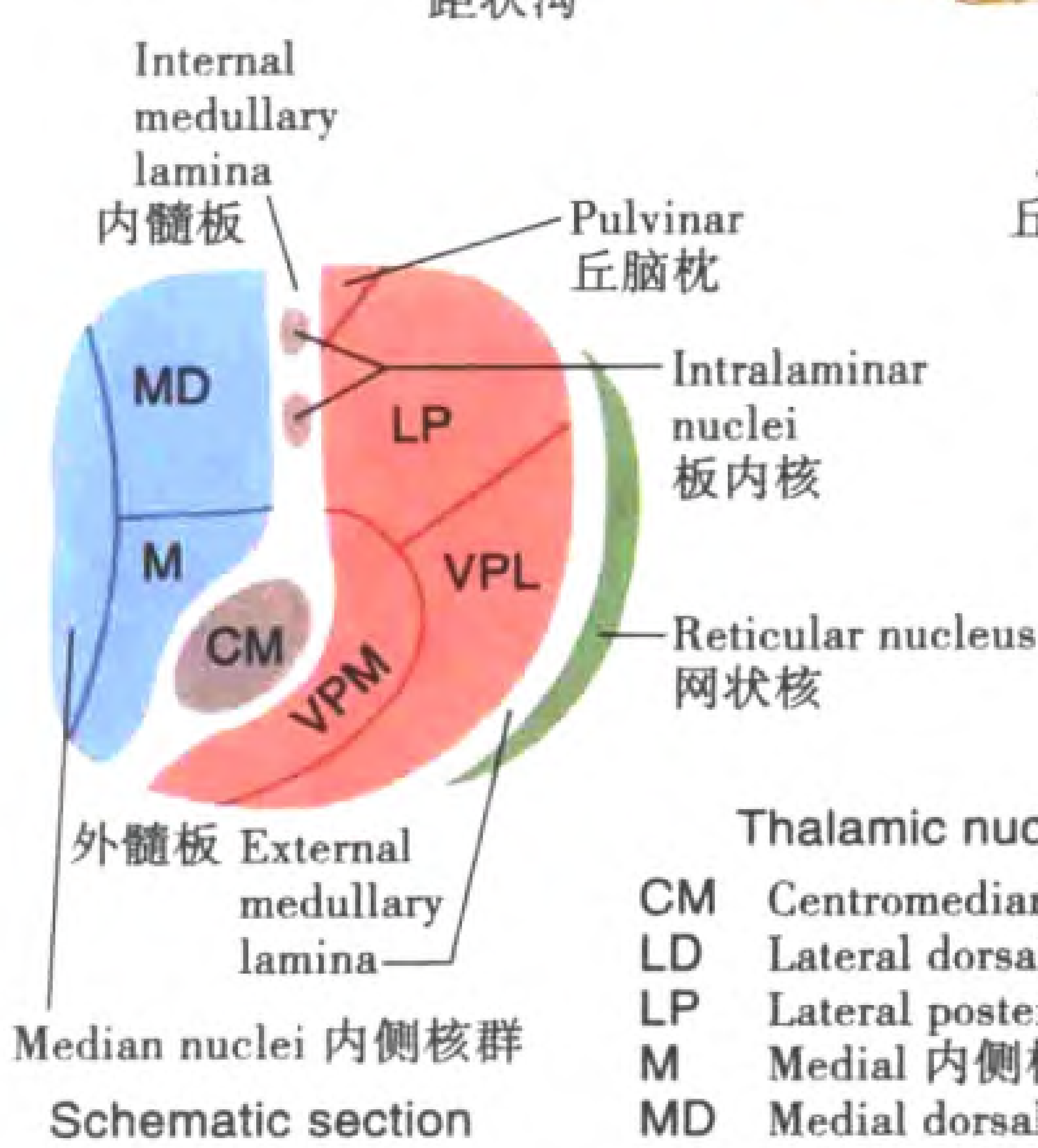
尾状核 Caudate nucleus ┐ 壳 Putamen ┐ 苍白球 Globus pallidus
壳 + 苍白球 → 豆状核 Lentiform nucleus
尾状核 + 壳 → 新纹状体 Striatum
新纹状体 Striatum + 豆状核 Lentiform nucleus → Corpus striatum 纹状体
→ Basal nuclei (ganglia) 基底核(节)



F. Netter M.D.

Interrelationship of thalamus, lentiform nucleus, caudate nucleus, and amygdaloid body (schema):left lateral view
丘脑、豆状核、尾状核与杏仁核的位置关系：左侧面观

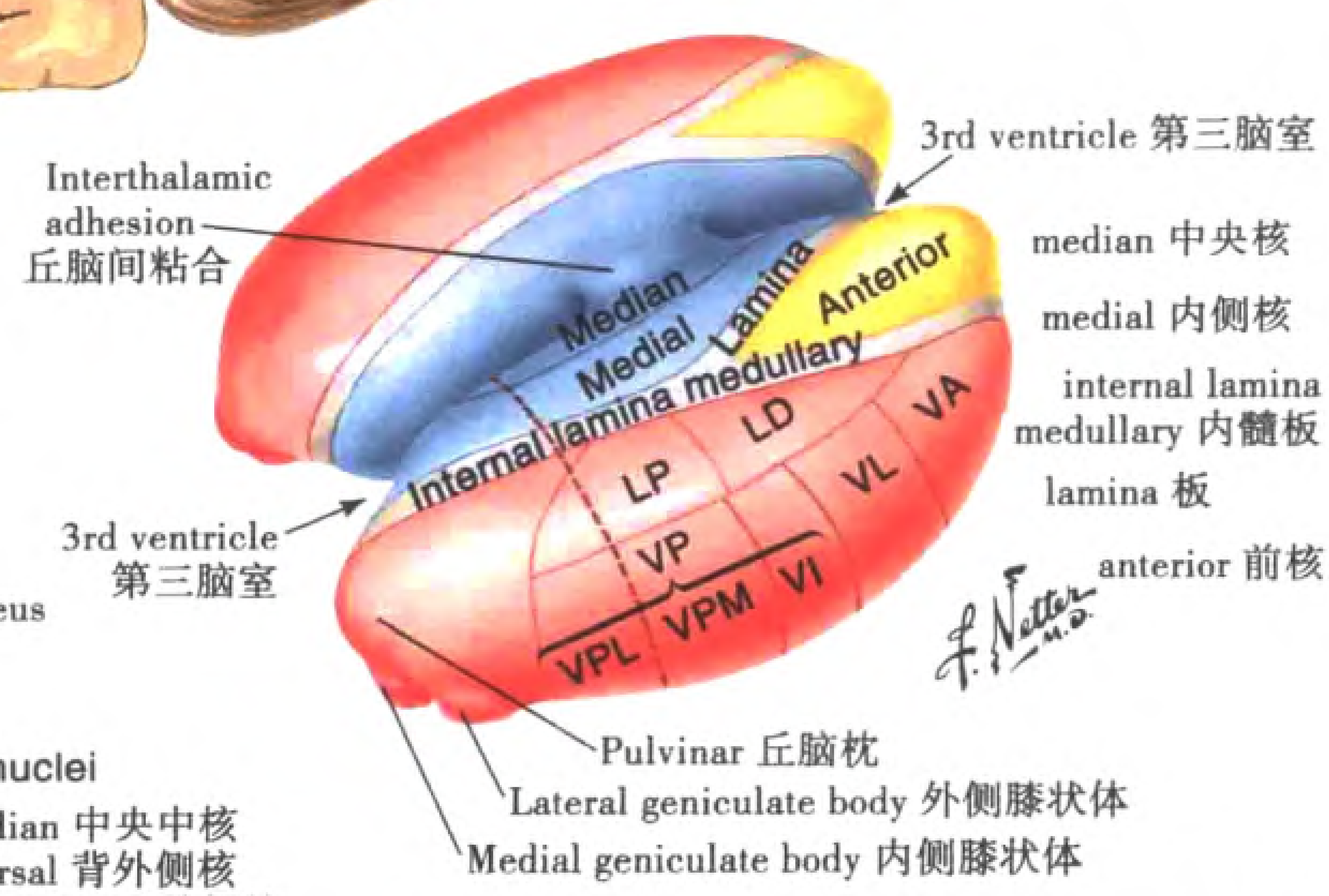




Schematic section through thalamus (at level of broken line shown in figure at right)
经丘脑断面模式图
(右图虚线所示水平)

Thalamic nuclei

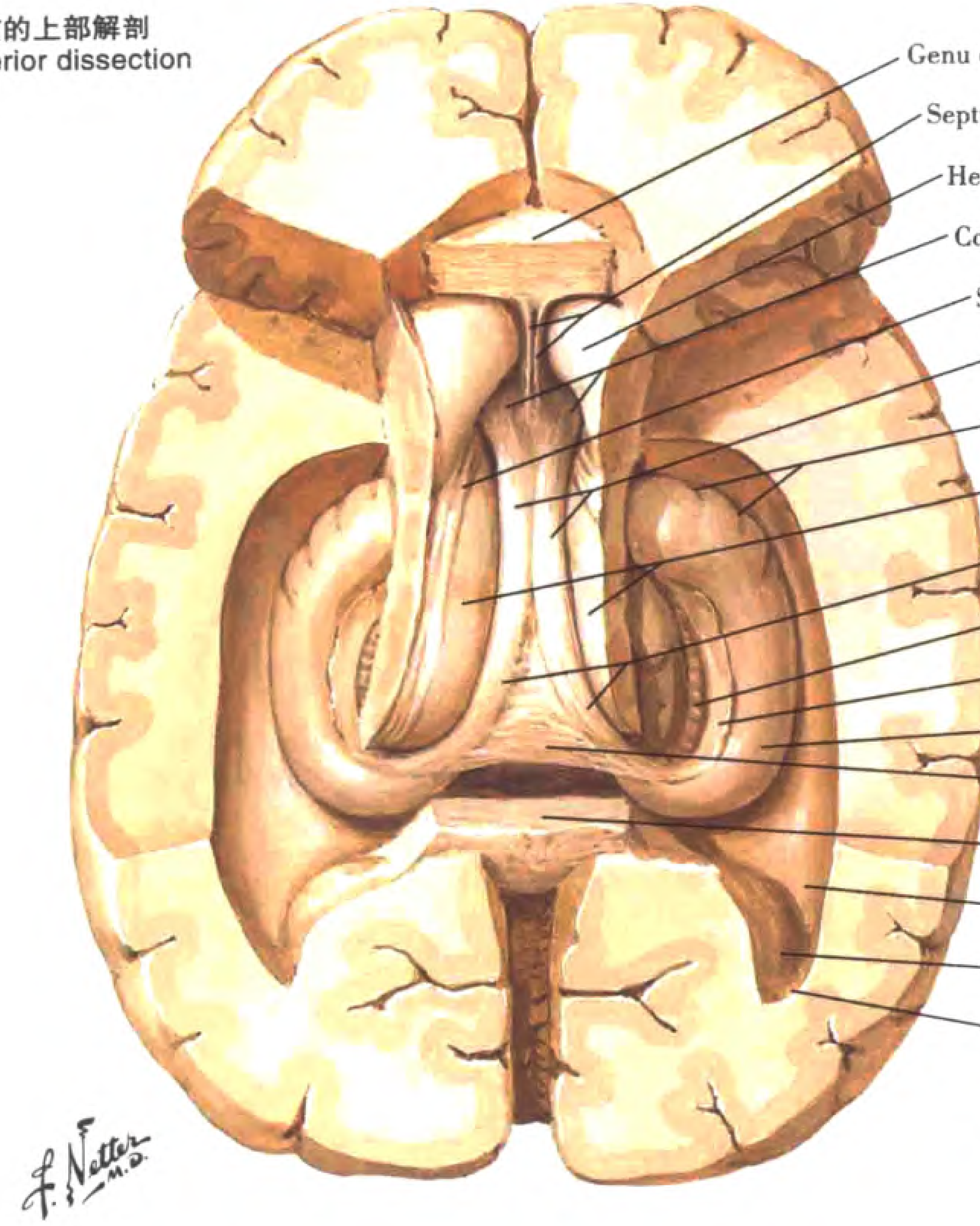
- CM Centromedian 中央中核
- LD Lateral dorsal 背外侧核
- LP Lateral posterior 后外侧核
- M Medial 内侧核
- MD Medial dorsal 背内侧核
- VA Ventral anterior 腹前核
- VI Ventral intermedial 腹中间核
- VL Ventral lateral 腹外侧核
- VP Ventral posterior 腹后核
- VPL Ventral posterolateral 腹后外侧核
- VPM Ventral posteromedial 腹后内侧核

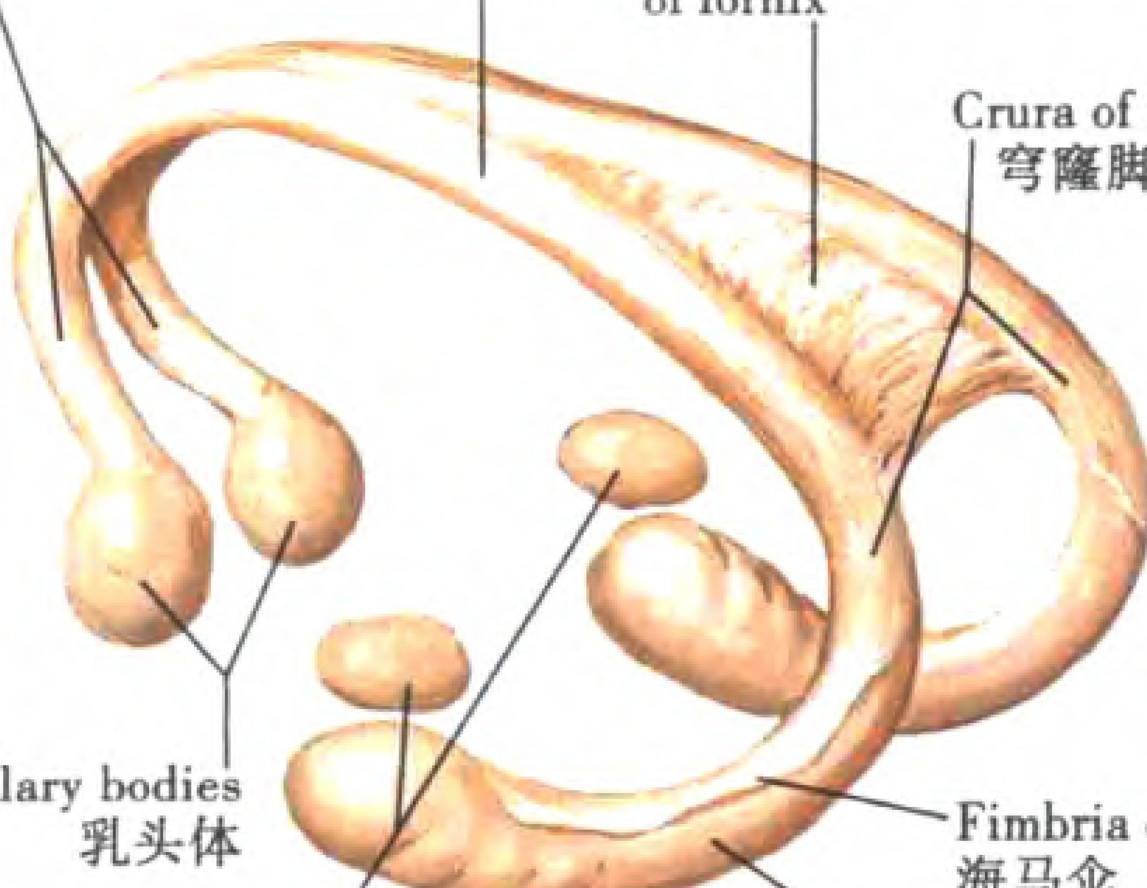


Schematic representation of thalamus **丘脑模式图**
(external medullary lamina and reticular nuclei removed)
(外髓板和网状核已去除)

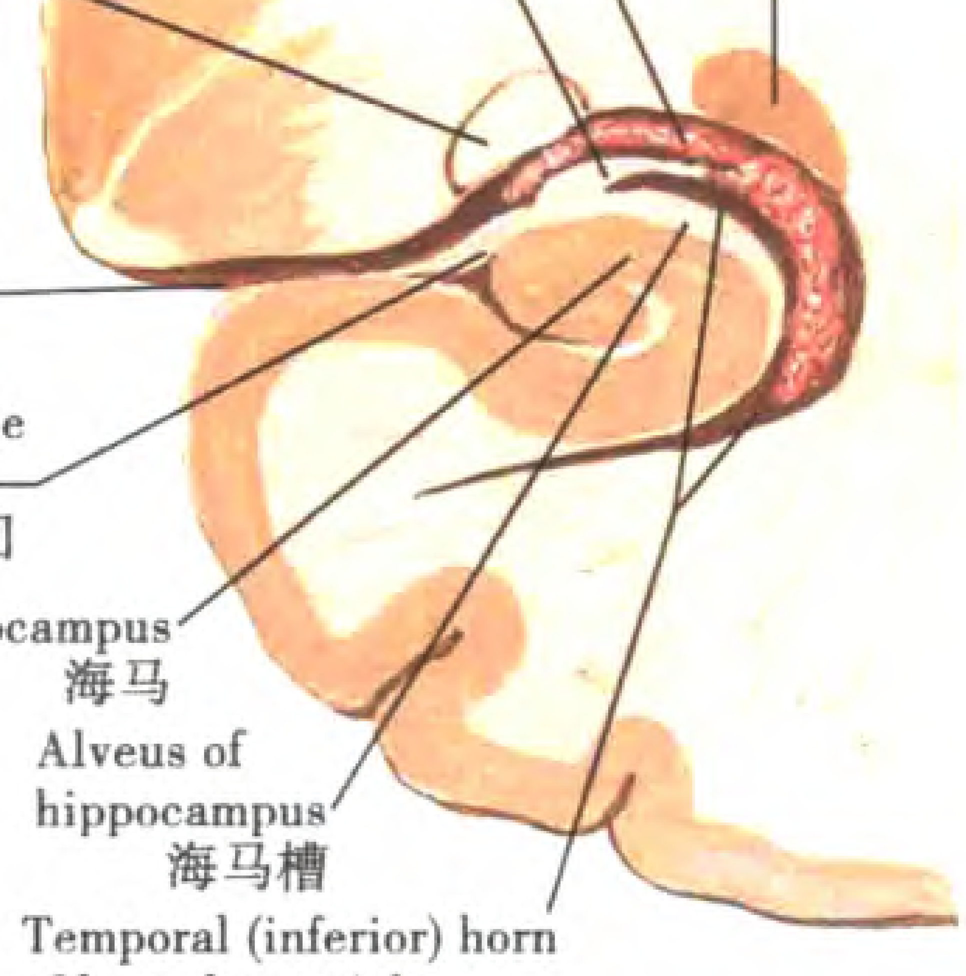
- Lateral nuclei **外侧核群**
- Medial nuclei **内侧核群**
- Anterior nuclei **前核群**

脑的上部解剖
Superior dissection





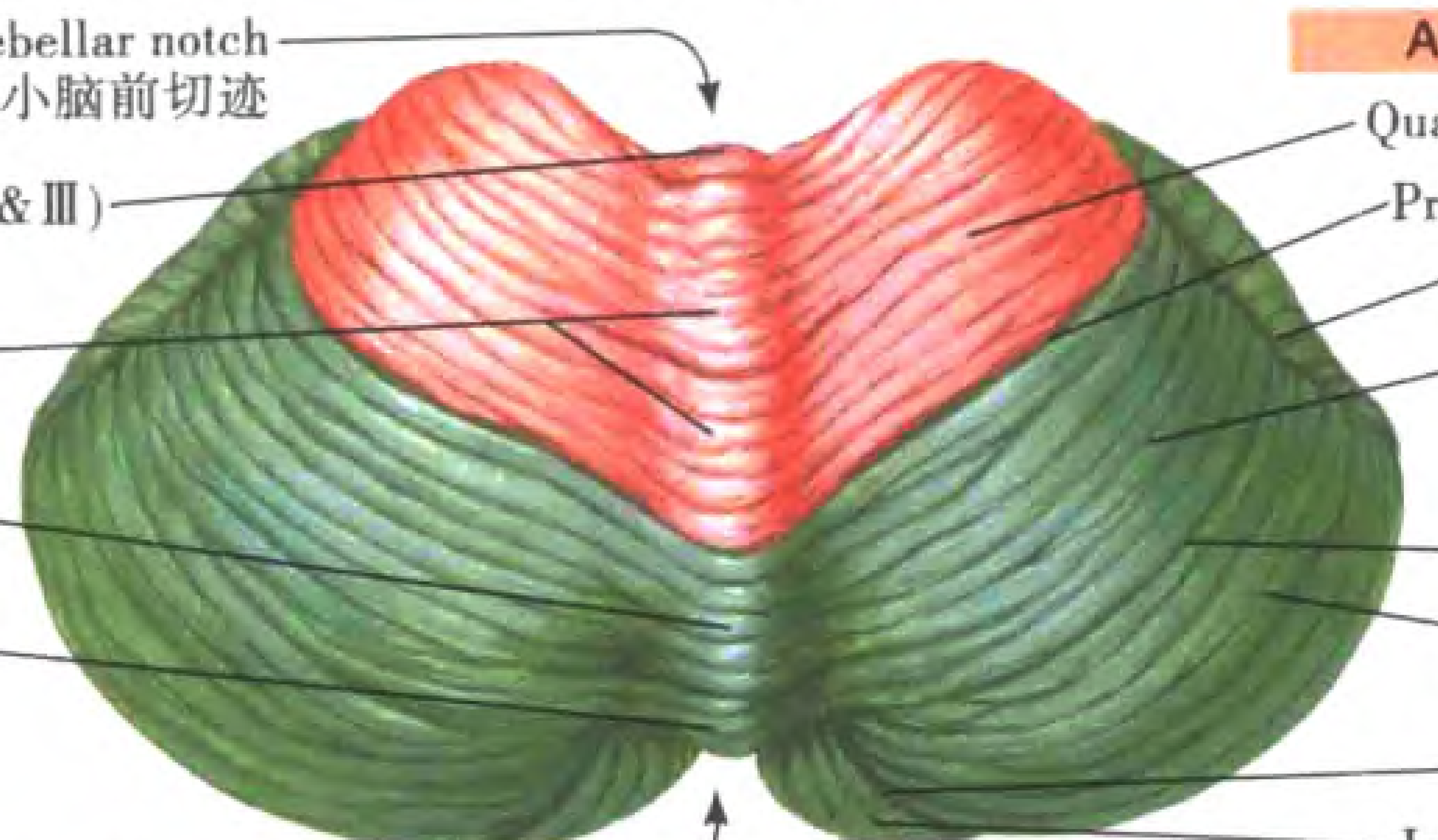
Fornix: schema
穹窿：模式图



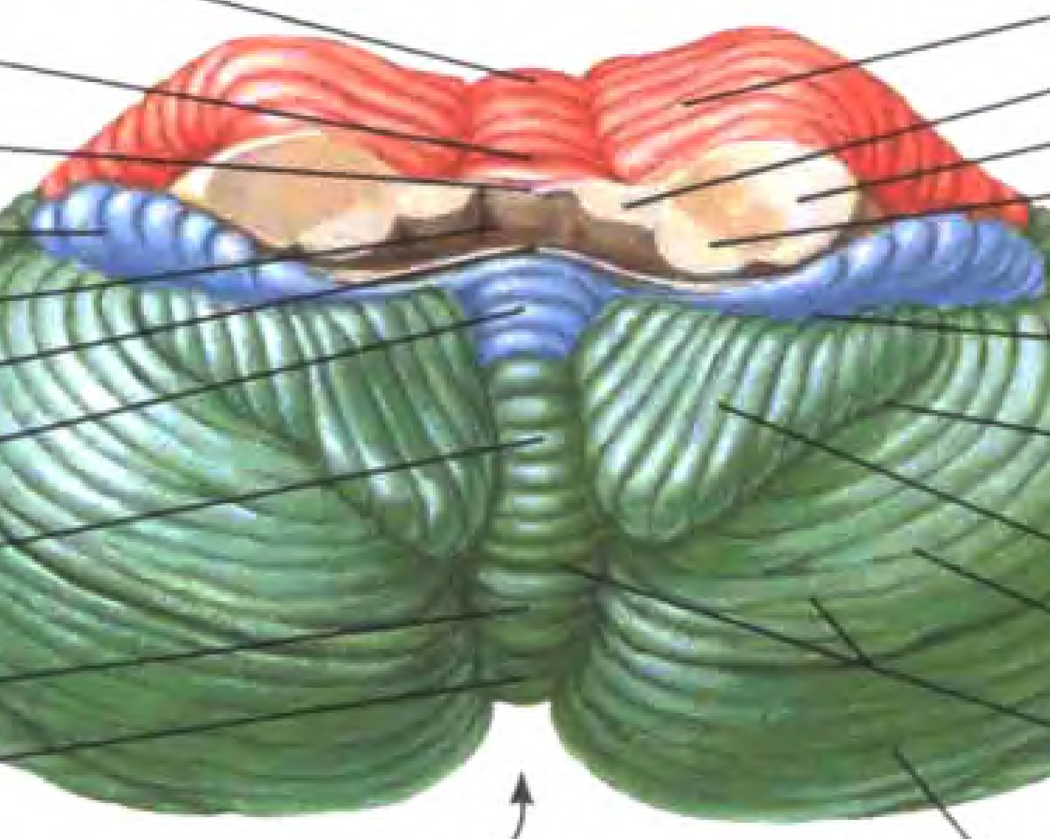
Coronal section: posterior view
冠状断面：后面观

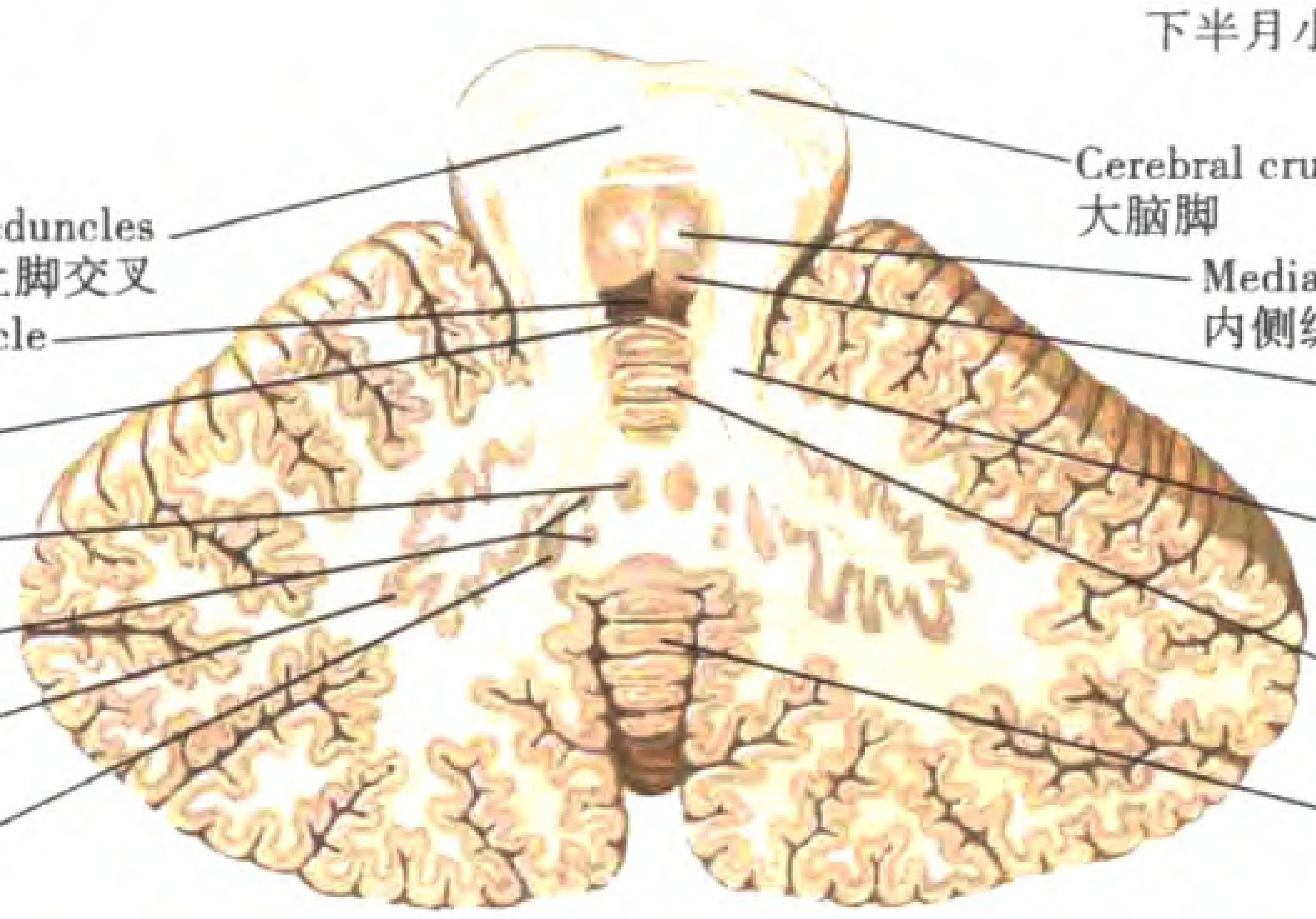
参见图 116

上面观
Superior surface

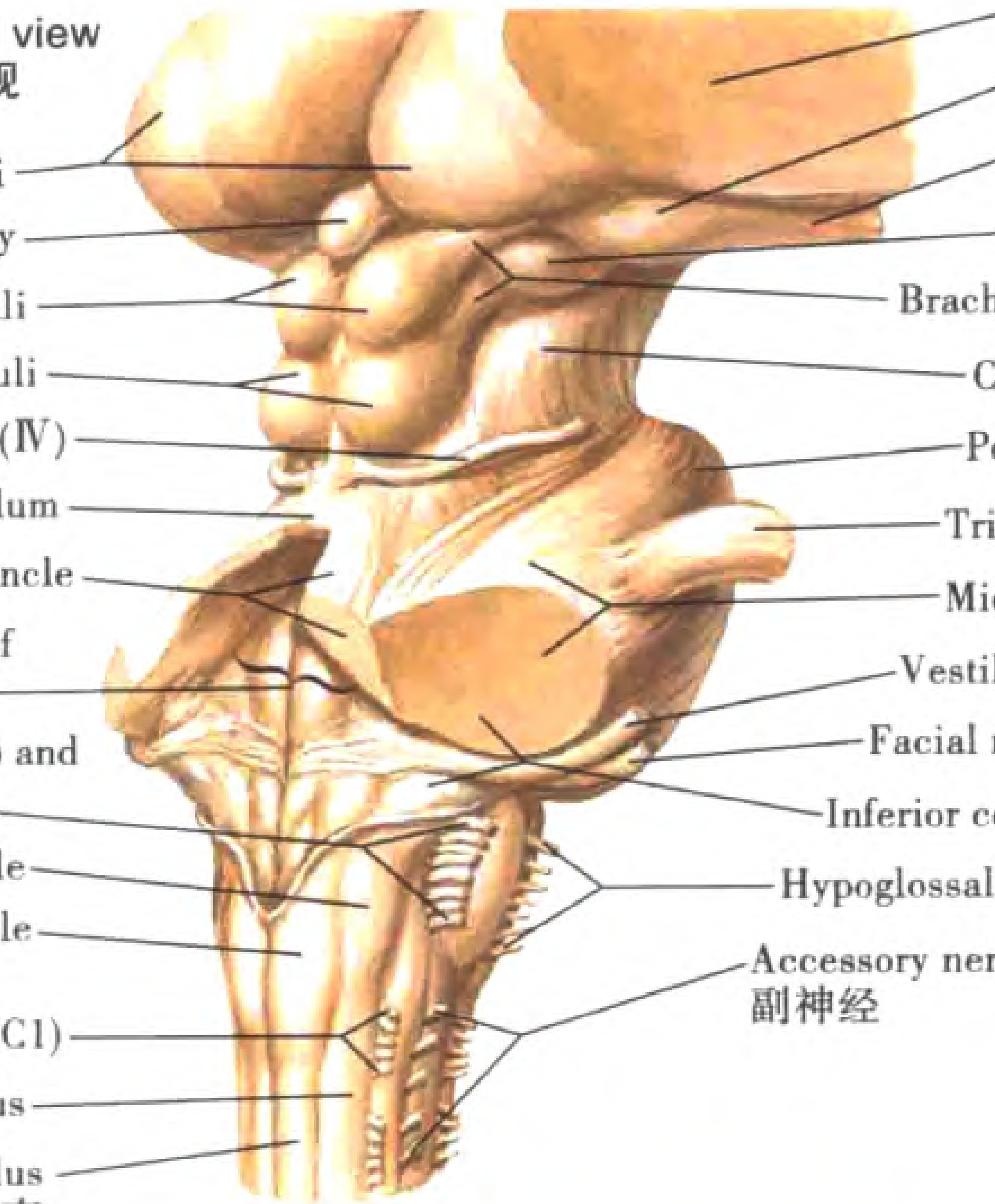


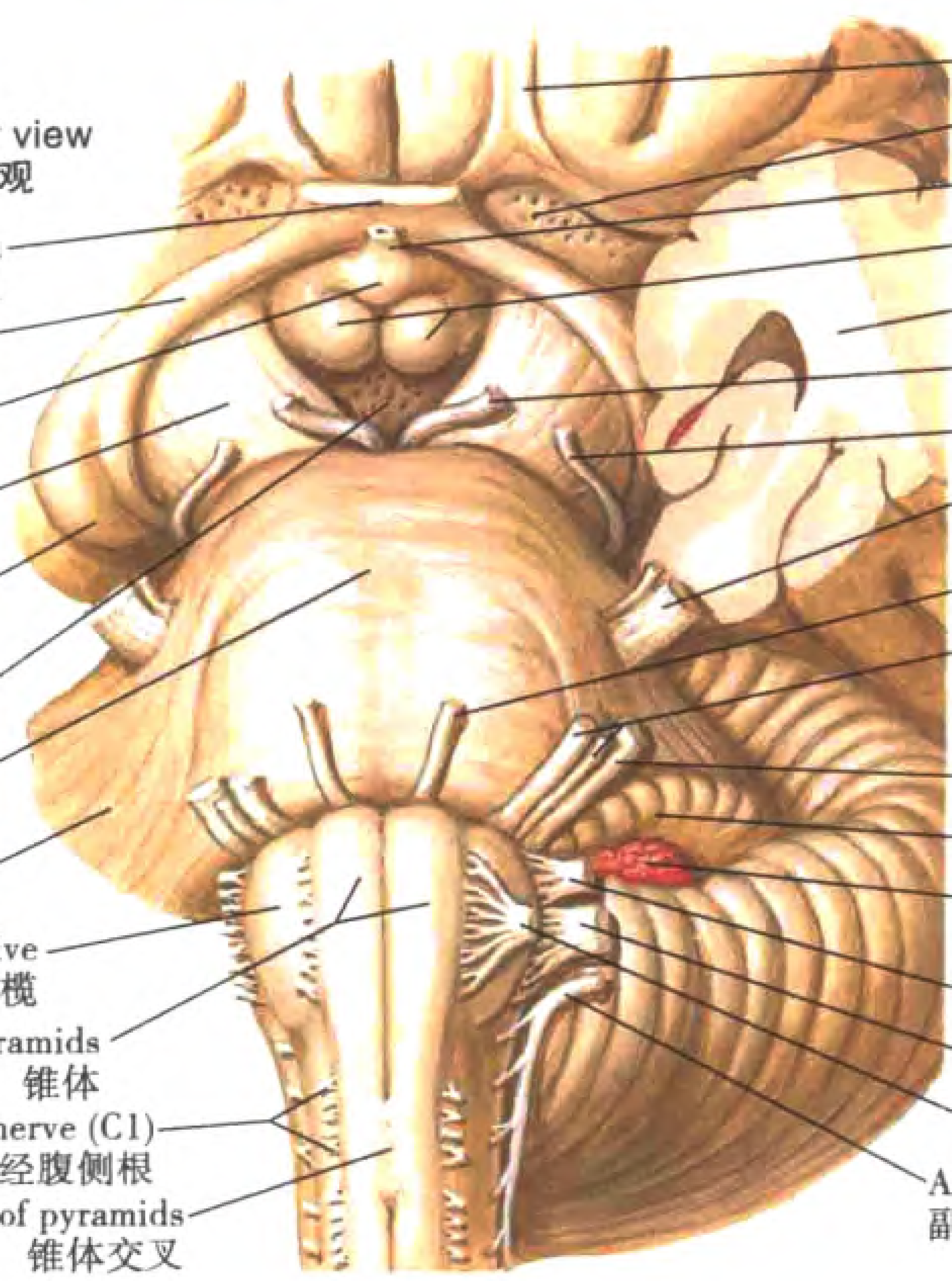
Inferior surface 下面观

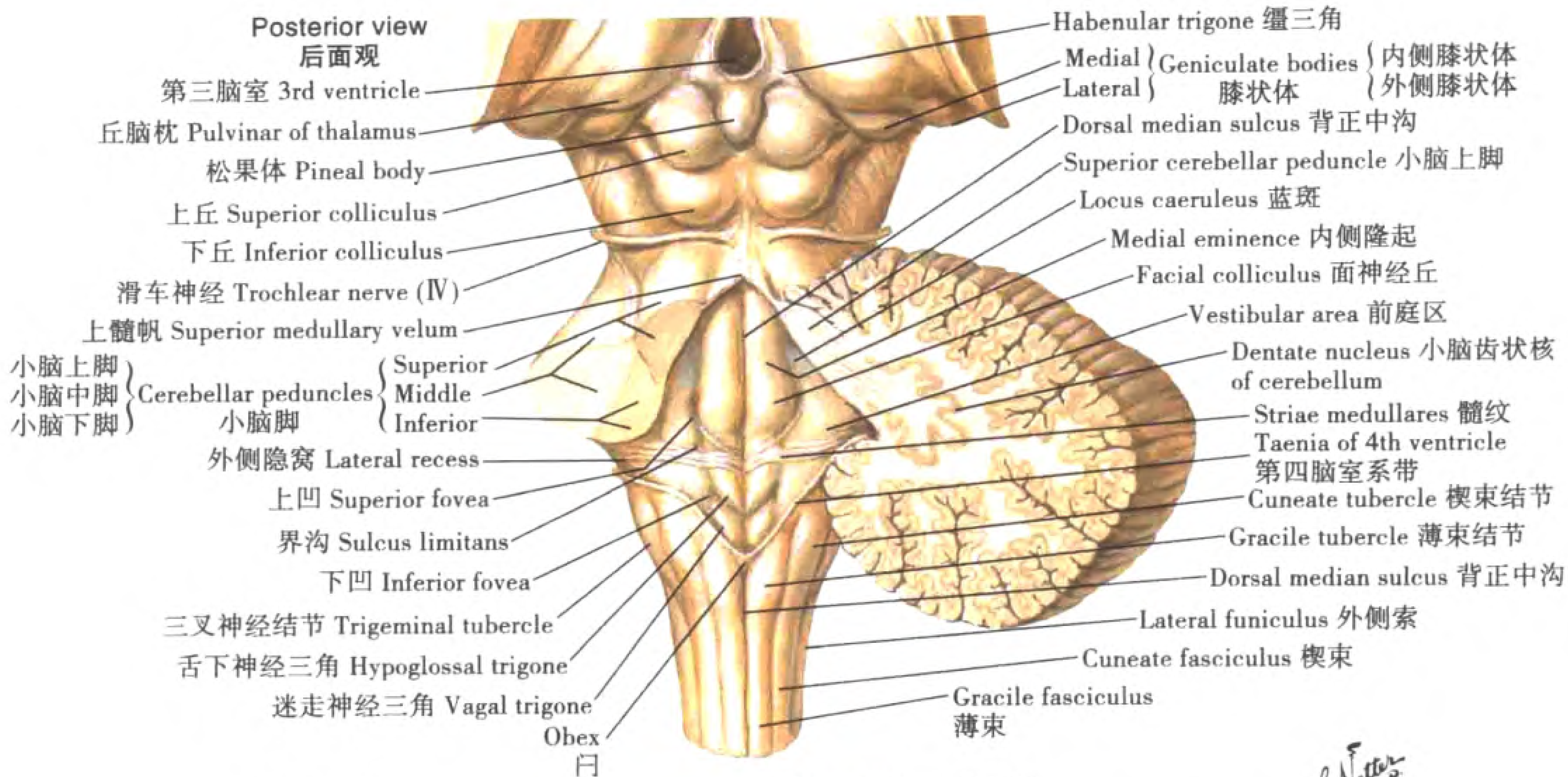


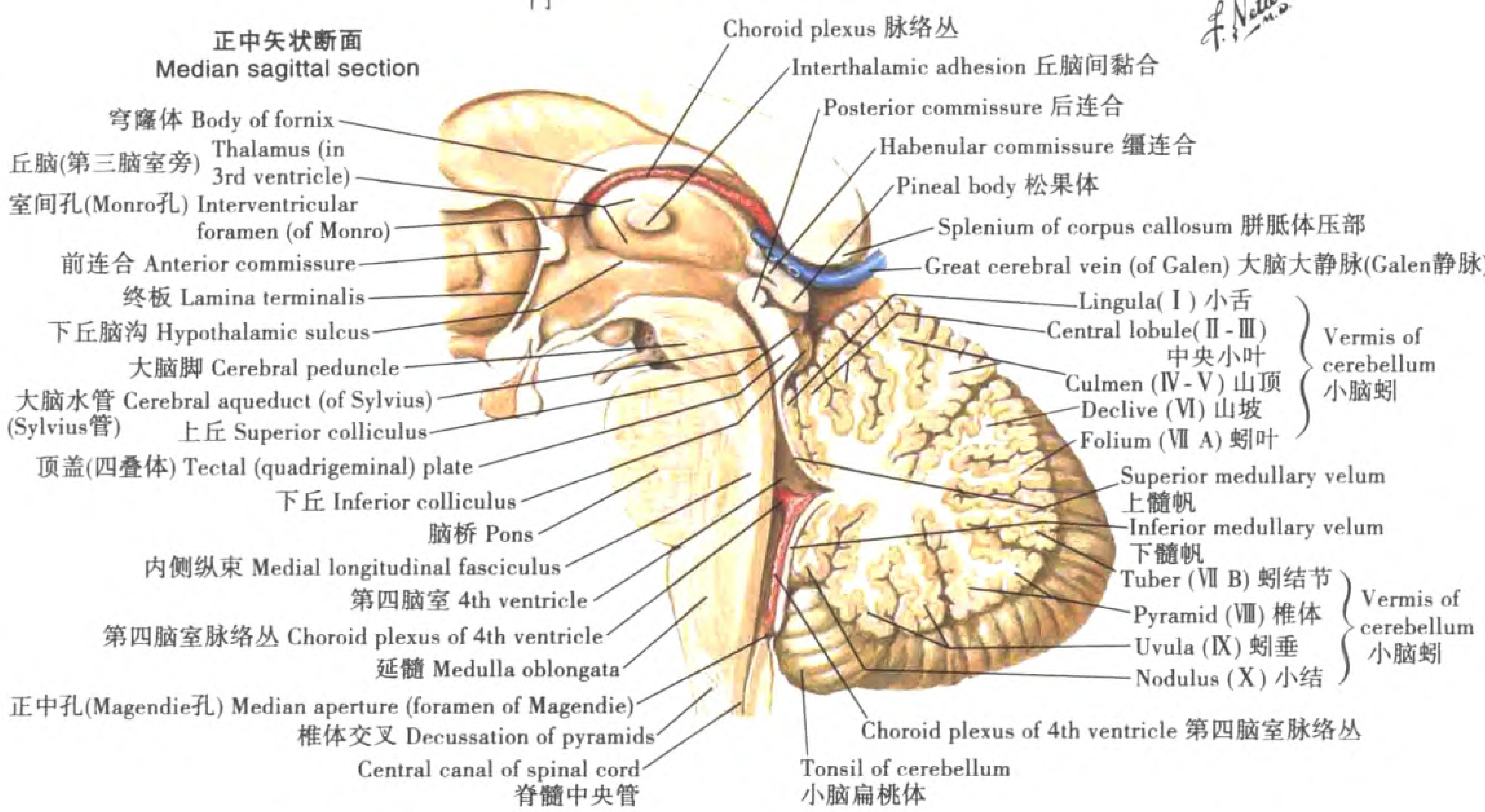


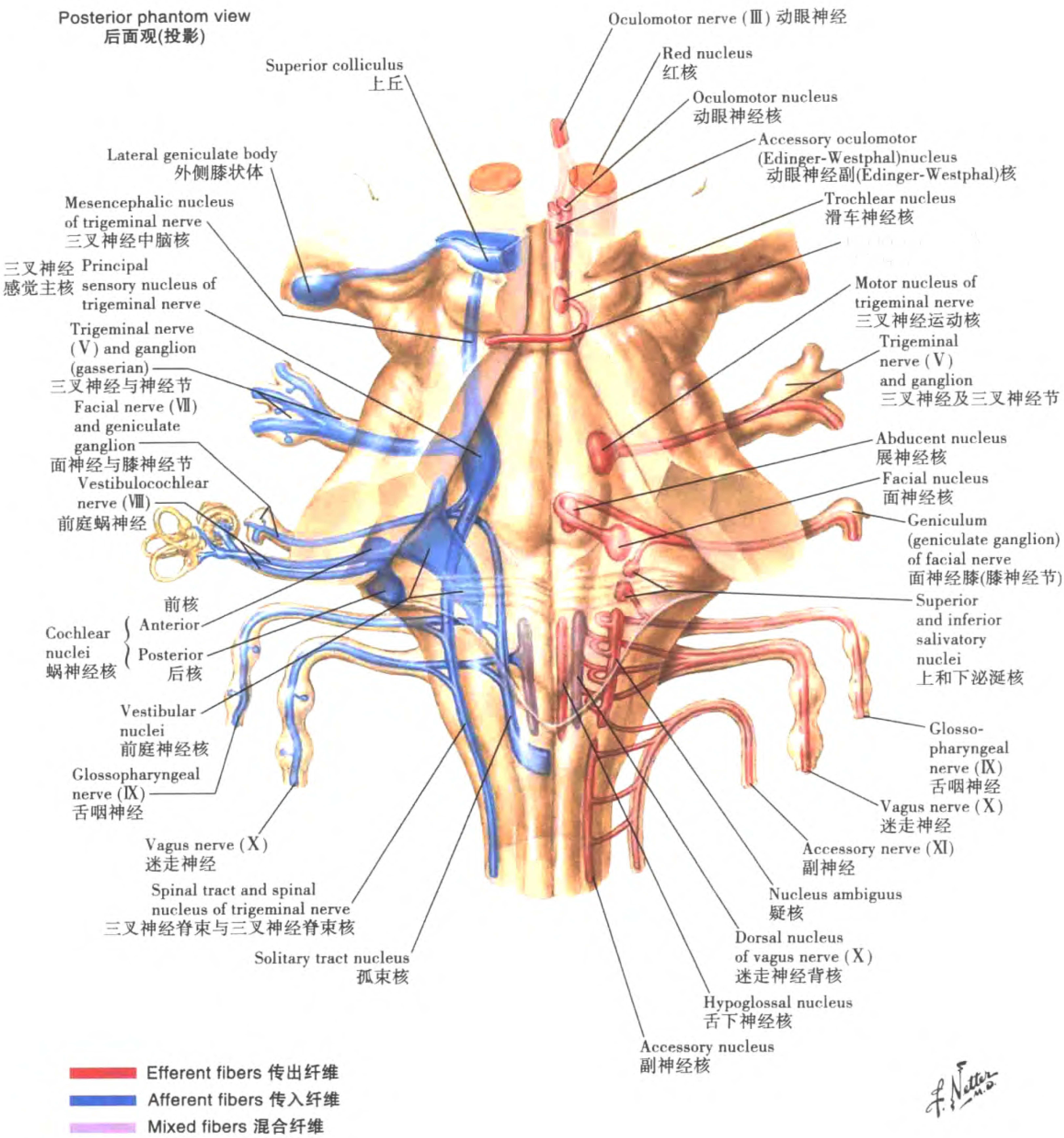
Section in plane of superior cerebellar peduncle
经小脑上脚水平断面

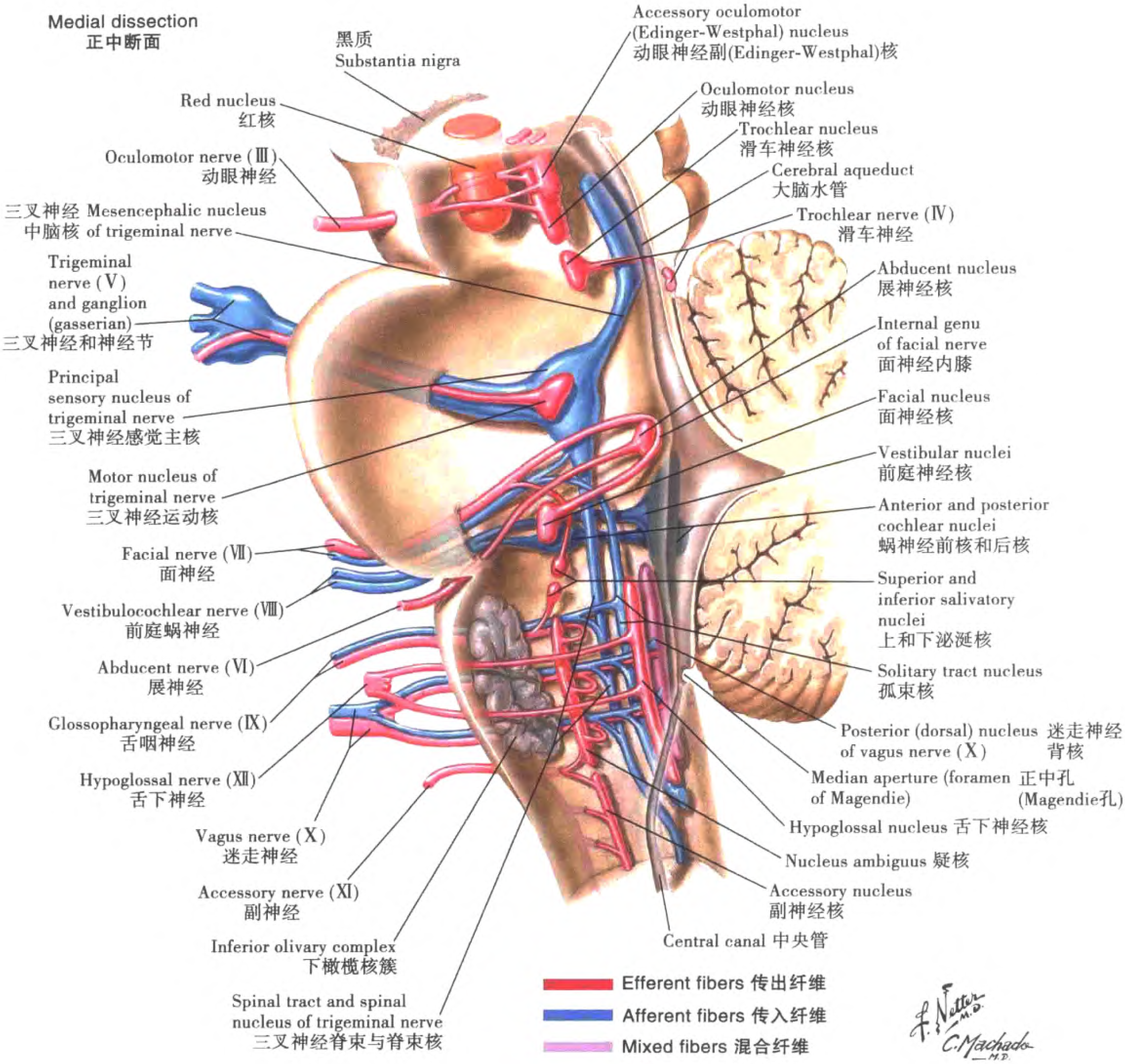

Posterolateral view
后外侧面观
丘脑枕 Pulvinars of thalami
松果体 Pineal body
上丘 Superior colliculi
下丘 Inferior colliculi
滑车神经 Trochlear nerve (Ⅳ)
上髓帆 Superior medullary velum
小脑上脚 Superior cerebellar peduncle
第四脑室菱形窝 Rhomboid fossa of 4th ventricle
舌咽神经和 Glossopharyngeal (Ⅸ) and
迷走神经 vagus (Ⅹ) nerves
楔束结节 Cuneate tubercle
薄束结节 Gracile tubercle
第一脊神经 Dorsal roots of
背根 1st spinal nerve (C1)
楔束 Cuneate fasciculus
Gracile fasciculus
薄束
Thalamus (cut surface) 丘脑(去除表面)
Lateral geniculate body 外侧膝状体
Optic tract 视束
Medial geniculate body 内侧膝状体
Brachia of superior and inferior colliculi 上丘臂和下丘臂
Cerebral crus 大脑脚
Pons 脑桥
Trigeminal nerve (Ⅴ) 三叉神经
Middle cerebellar peduncle 小脑中脚
Vestibulocochlear nerve (Ⅷ) 前庭蜗神经
Facial nerve (Ⅶ) 面神经
Inferior cerebellar peduncle 小脑下脚
Hypoglossal nerve (Ⅻ) 舌下神经
Accessory nerve (Ⅺ)
副神经
F. Netter M.D.

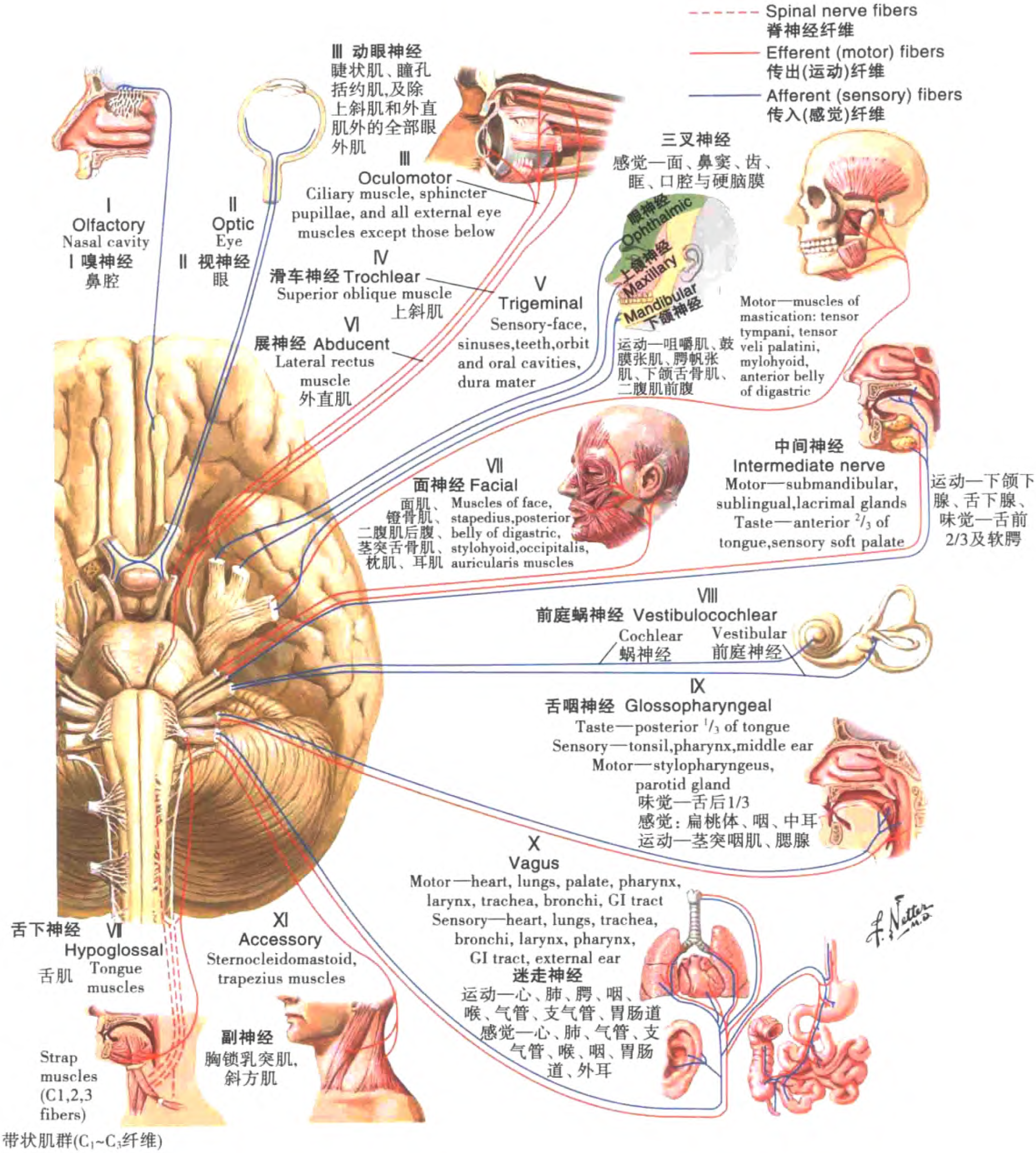

Anterior view
前面观
Optic chiasm
视交叉
Optic tract
视束
Tuber cinereum
灰结节
Cerebral crus
大脑脚
Lateral geniculate body
外侧膝状体
Posterior perforated substance
后穿质
Pons
脑桥
Middle cerebellar peduncle
小脑中脚
Olive
橄榄
Pyramids
锥体
Ventral roots of 1st spinal nerve (C1)
第一脊神经腹侧根
Decussation of pyramids
锥体交叉
Olfactory tract 嗅束
Anterior perforated substance 前穿质
Infundibulum (pituitary stalk)
漏斗(垂体柄)
Mammillary bodies 乳头体
Temporal lobe (cut surface)
颞叶(表面切除)
Oculomotor nerve (Ⅲ) 动眼神经
Trochlear nerve (Ⅳ) 滑车神经
Trigeminal nerve (Ⅴ) 三叉神经(感觉根)
(sensory root)
Abducent nerve(Ⅵ) 展神经
Facial nerve (Ⅶ) and 面神经和中间神经
intermediate nerve (Wrisberg神经)
(of Wrisberg)
Vestibulocochlear nerve (Ⅷ)
前庭蜗神经
Flocculus of cerebellum 绒球
Choroid plexus of 4th 第四脑室脉络丛
ventricle
Glossopharyngeal nerve (Ⅸ) 舌咽神经
Vagus nerve (Ⅹ) 迷走神经
Hypoglossal nerve (Ⅻ) 舌下神经
Accessory nerve (Ⅺ)
副神经


Posterior view
后面观
第三脑室 3rd ventricle
丘脑枕 Pulvinar of thalamus
松果体 Pineal body
上丘 Superior colliculus
下丘 Inferior colliculus
滑车神经 Trochlear nerve (Ⅳ)
上髓帆 Superior medullary velum
小脑上脚 小脑中脚 小脑下脚 Cerebellar peduncles 小脑脚 Superior Middle Inferior
外侧隐窝 Lateral recess
上凹 Superior fovea
界沟 Sulcus limitans
下凹 Inferior fovea
三叉神经结节 Trigeminal tubercle
舌下神经三角 Hypoglossal trigone
迷走神经三角 Vagal trigone
Obex
闩
Habenular trigone 缰三角
Medial Lateral Geniculate bodies 膝状体 内侧膝状体 外侧膝状体
Dorsal median sulcus 背正中沟
Superior cerebellar peduncle 小脑上脚
Locus caeruleus 蓝斑
Medial eminence 内侧隆起
Facial colliculus 面神经丘
Vestibular area 前庭区
Dentate nucleus 小脑齿状核
of cerebellum
Striae medullares 髓纹
Taenia of 4th ventricle
第四脑室系带
Cuneate tubercle 楔束结节
Gracile tubercle 薄束结节
Dorsal median sulcus 背正中沟
Lateral funiculus 外侧索
Cuneate fasciculus 楔束
Gracile fasciculus
薄束

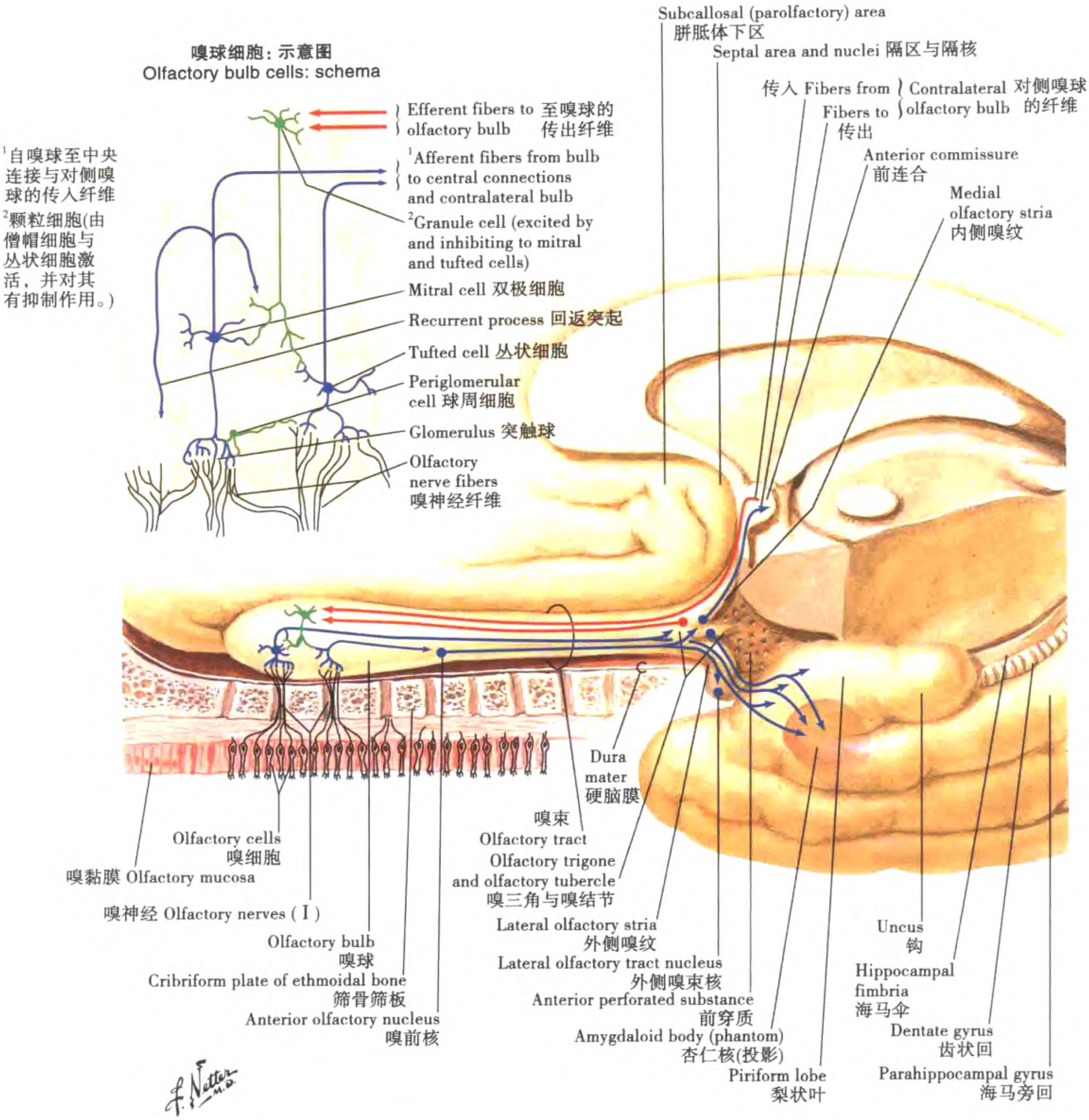

正中矢状断面
Median sagittal section
穹窿体 Body of fornix
丘脑(第三脑室旁) Thalamus (in 3rd ventricle)
室间孔(Monro孔) Interventricular foramen (of Monro)
前连合 Anterior commissure
终板 Lamina terminalis
下丘脑沟 Hypothalamic sulcus
大脑脚 Cerebral peduncle
大脑水管 Cerebral aqueduct (of Sylvius)
(Sylvius管)
上丘 Superior colliculus
顶盖(四叠体) Tectal (quadrigeminal) plate
下丘 Inferior colliculus
脑桥 Pons
内侧纵束 Medial longitudinal fasciculus
第四脑室 4th ventricle
第四脑室脉络丛 Choroid plexus of 4th ventricle
延髓 Medulla oblongata
正中孔(Magendie孔) Median aperture (foramen of Magendie)
椎体交叉 Decussation of pyramids
Central canal of spinal cord
脊髓中央管
Choroid plexus 脉络丛
Interthalamic adhesion 丘脑间黏合
Posterior commissure 后连合
Habenular commissure 缰连合
Pineal body 松果体
Splenium of corpus callosum 胼胝体压部
Great cerebral vein (of Galen) 大脑大静脉(Galen静脉)
Lingula(Ⅰ) 小舌
Central lobule(Ⅱ-Ⅲ) 中央小叶
Culmen (Ⅳ-Ⅴ) 山顶
Declive (Ⅵ) 山坡
Folium (Ⅶ A) 蚓叶
Vermis of cerebellum 小脑蚓
Superior medullary velum
上髓帆
Inferior medullary velum
下髓帆
Tuber (Ⅶ B) 蚓结节
Pyramid (Ⅷ) 椎体
Uvula (Ⅸ) 蚓垂
Nodulus (Ⅹ) 小结
Vermis of cerebellum 小脑蚓
Choroid plexus of 4th ventricle 第四脑室脉络丛
Tonsil of cerebellum
小脑扁桃体

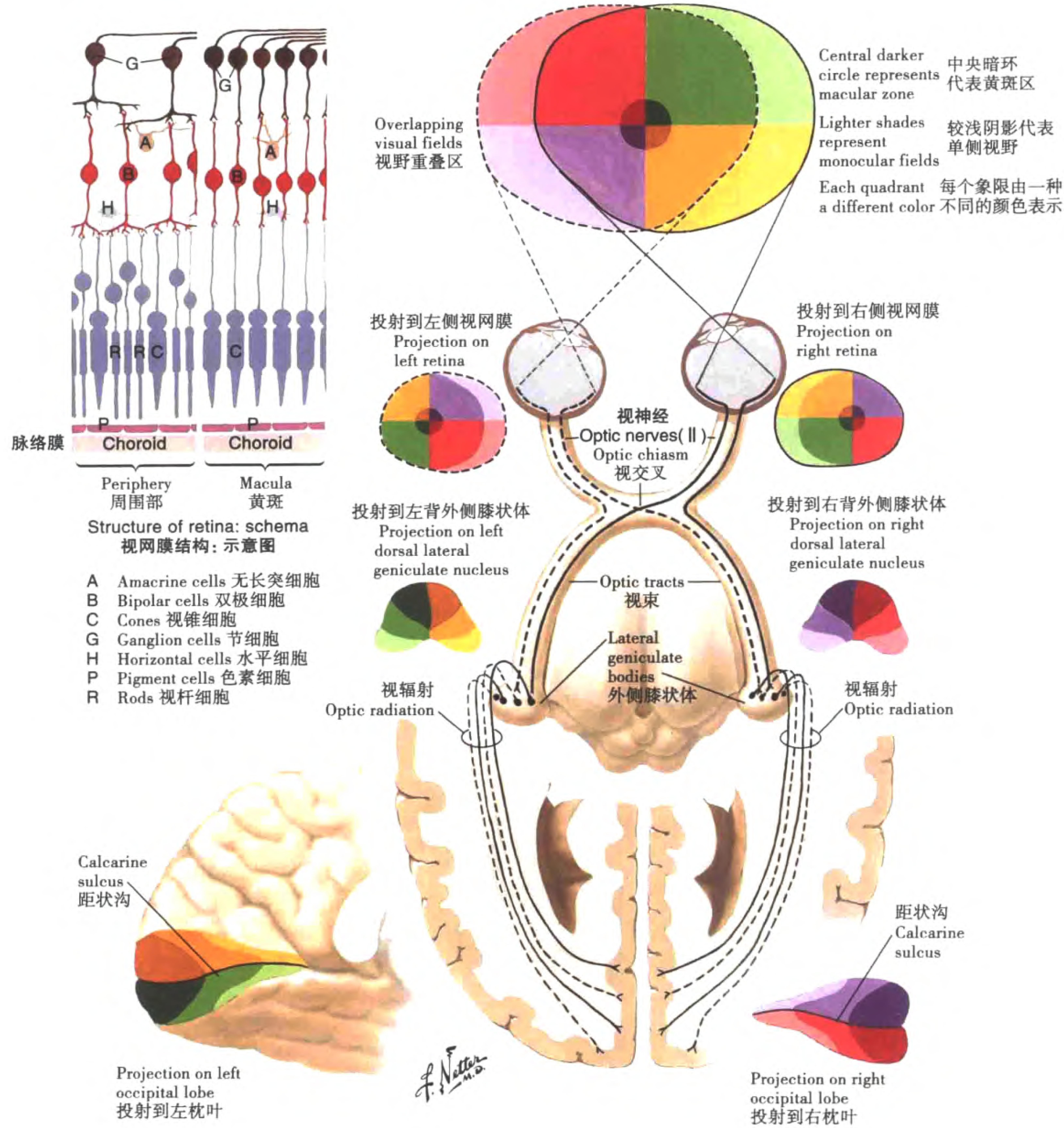

Posterior phantom view
后面观(投影)
Oculomotor nerve (Ⅲ) 动眼神经
Red nucleus
红核
Superior colliculus
上丘
Oculomotor nucleus
动眼神经核
Accessory oculomotor (Edinger-Westphal)nucleus
动眼神经副(Edinger-Westphal)核
Lateral geniculate body
外侧膝状体
Mesencephalic nucleus of trigeminal nerve
三叉神经中脑核
Trochlear nucleus
滑车神经核
三叉神经感觉主核 Principal sensory nucleus of trigeminal nerve
Motor nucleus of trigeminal nerve
三叉神经运动核
Trigeminal nerve (Ⅴ) and ganglion (gasserian)
三叉神经与神经节
Trigeminal nerve (Ⅴ) and ganglion
三叉神经及三叉神经节
Facial nerve (Ⅶ) and geniculate ganglion
面神经与膝神经节
Abducent nucleus
展神经核
Vestibulocochlear nerve (Ⅷ)
前庭蜗神经
Facial nucleus
面神经核
Geniculum (geniculate ganglion) of facial nerve
面神经膝(膝神经节)
Cochlear nuclei 蜗神经核
前核 Anterior
Posterior 后核
Superior and inferior salivatory nuclei
上和下泌涎核
Vestibular nuclei
前庭神经核
Glossopharyngeal nerve (Ⅸ)
舌咽神经
Glosso-pharyngeal nerve (Ⅸ)
舌咽神经
Vagus nerve (Ⅹ)
迷走神经
Vagus nerve (Ⅹ)
迷走神经
Accessory nerve (Ⅺ)
副神经
Spinal tract and spinal nucleus of trigeminal nerve
三叉神经脊束与三叉神经脊束核
Nucleus ambiguus
疑核
Solitary tract nucleus
孤束核
Dorsal nucleus of vagus nerve (Ⅹ)
迷走神经背核
Hypoglossal nucleus
舌下神经核
Accessory nucleus
副神经核
Efferent fibers 传出纤维
Afferent fibers 传入纤维
Mixed fibers 混合纤维
F. Netter M.D.


Medial dissection
正中断面
黑质
Substantia nigra
Red nucleus
红核
Oculomotor nerve (Ⅲ)
动眼神经
三叉神经 Mesencephalic nucleus
中脑核 of trigeminal nerve
Trigeminal nerve (Ⅴ) and ganglion (gasserian)
三叉神经和神经节
Principal sensory nucleus of trigeminal nerve
三叉神经感觉主核
Motor nucleus of trigeminal nerve
三叉神经运动核
Facial nerve (Ⅶ)
面神经
Vestibulocochlear nerve (Ⅷ)
前庭蜗神经
Abducent nerve (Ⅵ)
展神经
Glossopharyngeal nerve (Ⅸ)
舌咽神经
Hypoglossal nerve (Ⅻ)
舌下神经
Vagus nerve (Ⅹ)
迷走神经
Accessory nerve (Ⅺ)
副神经
Inferior olivary complex
下橄榄核簇
Spinal tract and spinal nucleus of trigeminal nerve
三叉神经脊束与脊束核
Accessory oculomotor (Edinger-Westphal) nucleus
动眼神经副(Edinger-Westphal)核
Oculomotor nucleus
动眼神经核
Trochlear nucleus
滑车神经核
Cerebral aqueduct
大脑水管
Trochlear nerve (Ⅳ)
滑车神经
Abducent nucleus
展神经核
Internal genu of facial nerve
面神经内膝
Facial nucleus
面神经核
Vestibular nuclei
前庭神经核
Anterior and posterior cochlear nuclei
蜗神经前核和后核
Superior and inferior salivatory nuclei
上和下泌涎核
Solitary tract nucleus
孤束核
Posterior (dorsal) nucleus of vagus nerve (Ⅹ) 迷走神经背核
Median aperture (foramen of Magendie) 正中孔(Magendie孔)
Hypoglossal nucleus 舌下神经核
Nucleus ambiguus 疑核
Accessory nucleus
副神经核
Central canal 中央管
Efferent fibers 传出纤维
Afferent fibers 传入纤维
Mixed fibers 混合纤维
F. Netter M.D.
C. Machado M.D.


Spinal nerve fibers
脊神经纤维
Efferent (motor) fibers
传出(运动)纤维
Afferent (sensory) fibers
传入(感觉)纤维
Ⅲ 动眼神经
睫状肌、瞳孔括约肌,及除上斜肌和外直肌外的全部眼外肌
Ⅲ
Oculomotor
Ciliary muscle, sphincter pupillae, and all external eye muscles except those below
I
Olfactory
Nasal cavity
I 嗅神经
鼻腔
II
Optic
Eye
II 视神经
眼
IV
滑车神经 Trochlear
Superior oblique muscle
上斜肌
VI
展神经 Abducent
Lateral rectus muscle
外直肌
V
Trigeminal
Sensory-face, sinuses,teeth,orbit and oral cavities, dura mater
三叉神经
感觉—面、鼻窦、齿、眶、口腔与硬脑膜
眼神经
Ophthalmic
上颌神经
Maxillary
Mandibular
下颌神经
运动—咀嚼肌、鼓膜张肌、腭帆张肌、下颌舌骨肌、二腹肌前腹
Motor—muscles of mastication: tensor tympani, tensor veli palatini, mylohyoid, anterior belly of digastric
VII
面神经 Facial
面肌、镫骨肌、二腹肌后腹、茎突舌骨肌、枕肌、耳肌
Muscles of face, stapedius,posterior belly of digastric, stylohyoid,occipitalis, auricularis muscles
中间神经
Intermediate nerve
Motor—submandibular, sublingual,lacrimal glands
Taste—anterior 2/3 of tongue,sensory soft palate
运动—下颌下腺、舌下腺、味觉—舌前2/3及软腭
VIII
前庭蜗神经 Vestibulocochlear
Cochlear
蜗神经
Vestibular
前庭神经
IX
舌咽神经 Glossopharyngeal
Taste—posterior 1/3 of tongue
Sensory—tonsil,pharynx,middle ear
Motor—stylopharyngeus, parotid gland
味觉—舌后1/3
感觉:扁桃体、咽、中耳
运动—茎突咽肌、腮腺
X
Vagus
Motor—heart, lungs, palate, pharynx, larynx, trachea, bronchi, GI tract
Sensory—heart, lungs, trachea, bronchi, larynx, pharynx, GI tract, external ear
迷走神经
运动—心、肺、腭、咽、喉、气管、支气管、胃肠道
感觉—心、肺、气管、支气管、喉、咽、胃肠道、外耳
舌下神经 XII
Hypoglossal
舌肌 Tongue muscles
XI
Accessory
Sternocleidomastoid, trapezius muscles
副神经
胸锁乳突肌,斜方肌
Strap muscles (C1,2,3 fibers)
带状肌群(C1~C3纤维)
F. Netter M.D.

参见图 39

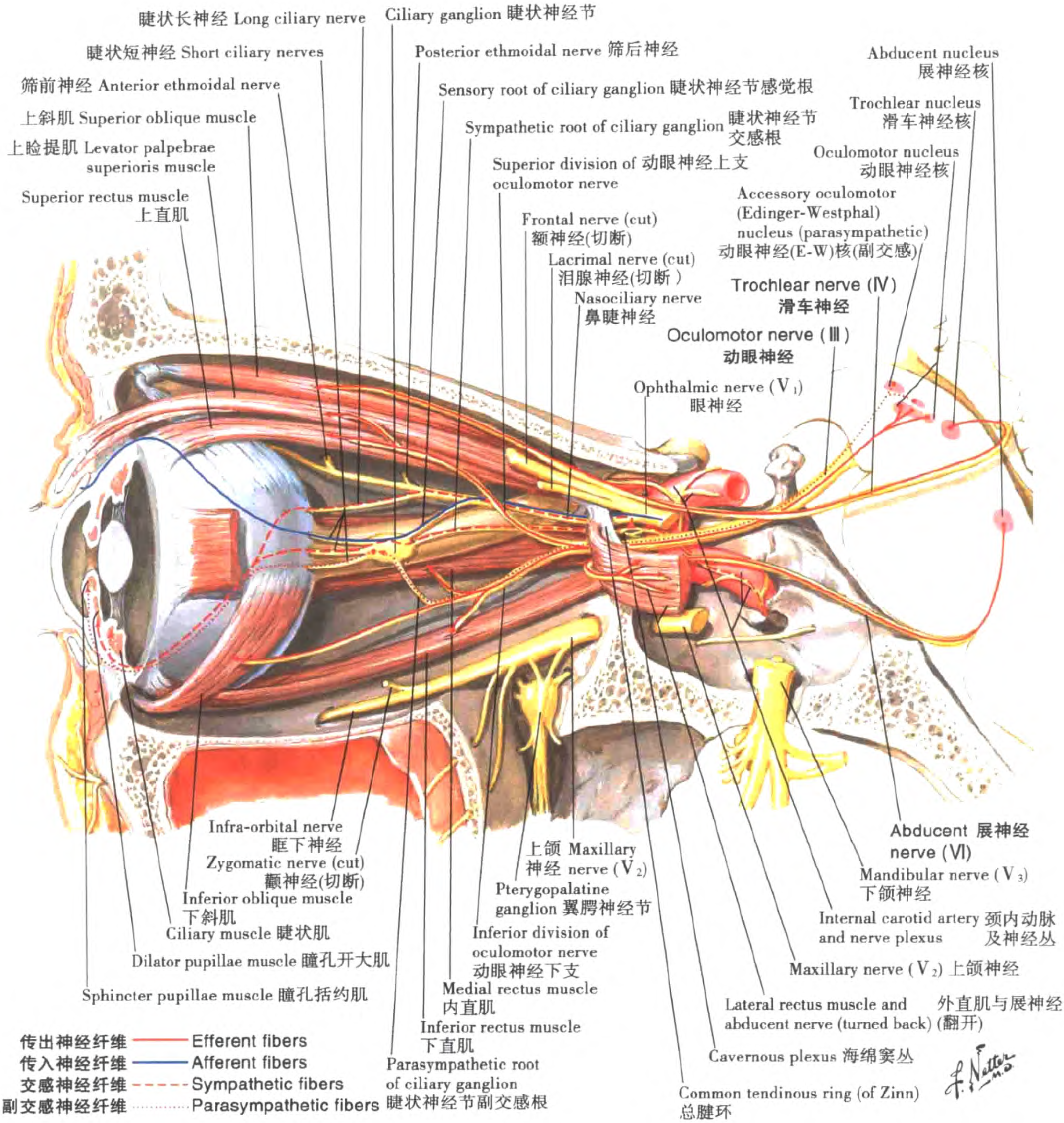

嗅球细胞：示意图
Olfactory bulb cells: schema
Efferent fibers to olfactory bulb 至嗅球的传出纤维
[1]Afferent fibers from bulb to central connections and contralateral bulb
[1]自嗅球至中央连接与对侧嗅球的传入纤维
[2]Granule cell (excited by and inhibiting to mitral and tufted cells)
[2]颗粒细胞(由僧帽细胞与丛状细胞激活，并对其有抑制作用。)
Mitral cell 双极细胞
Recurrent process 回返突起
Tufted cell 丛状细胞
Periglomerular cell 球周细胞
Glomerulus 突触球
Olfactory nerve fibers 嗅神经纤维
Subcallosal (parolfactory) area
胼胝体下区
Septal area and nuclei 隔区与隔核
传入 Fibers from
Fibers to
传出
Contralateral olfactory bulb 对侧嗅球的纤维
Anterior commissure
前连合
Medial olfactory stria
内侧嗅纹
Dura mater
硬脑膜
嗅束
Olfactory tract
Olfactory trigone and olfactory tubercle
嗅三角与嗅结节
Lateral olfactory stria
外侧嗅纹
Lateral olfactory tract nucleus
外侧嗅束核
Anterior perforated substance
前穿质
Amygdaloid body (phantom)
杏仁核(投影)
Piriform lobe
梨状叶
Uncus
钩
Hippocampal fimbria
海马伞
Dentate gyrus
齿状回
Parahippocampal gyrus
海马旁回
Olfactory cells
嗅细胞
嗅黏膜 Olfactory mucosa
嗅神经 Olfactory nerves (Ⅰ)
Olfactory bulb
嗅球
Cribriform plate of ethmoidal bone
筛骨筛板
Anterior olfactory nucleus
嗅前核
F. Netter M.D.

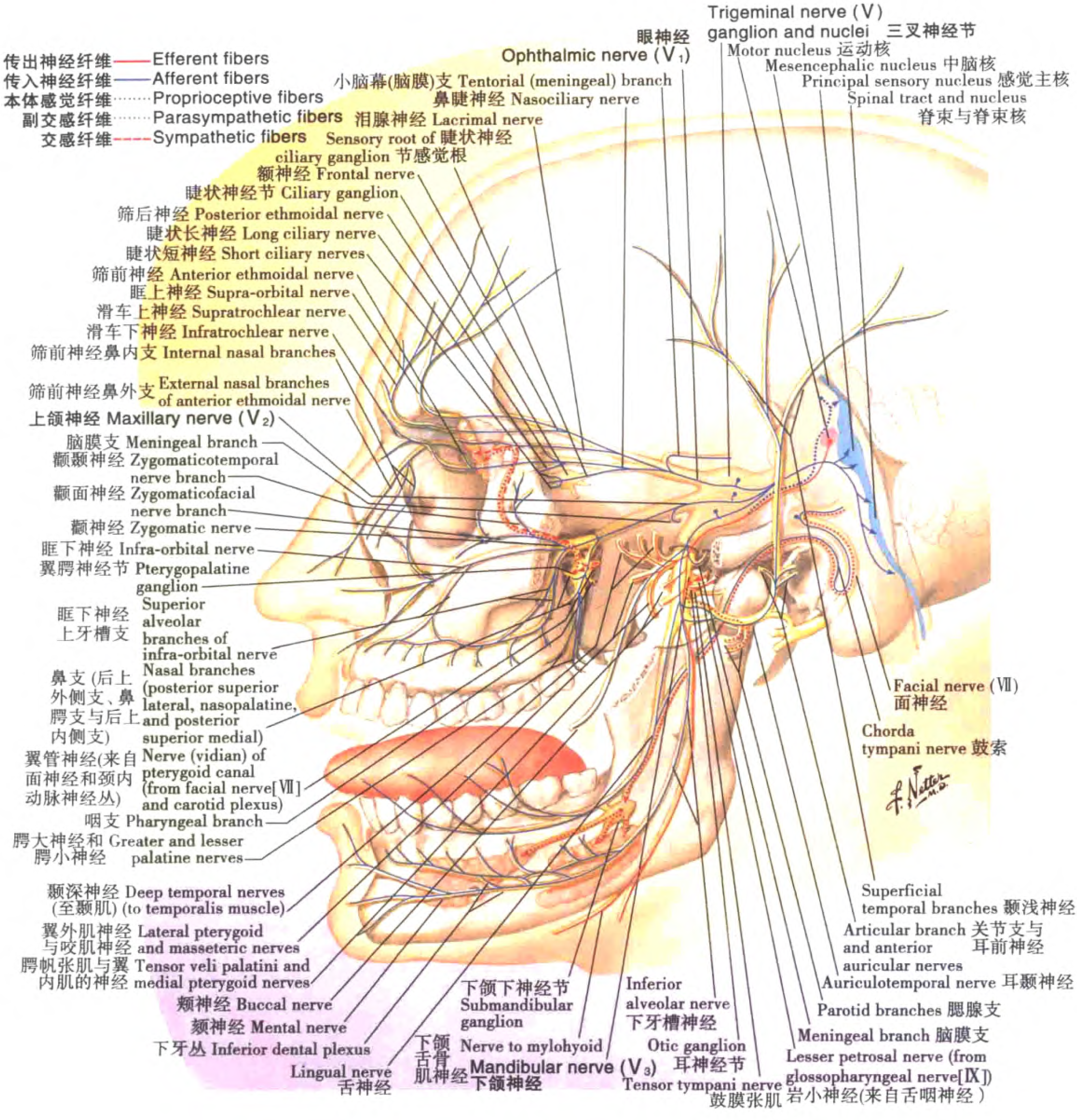


G
A
B
H
R
C
P
脉络膜
Choroid
Periphery
周围部
Macula
黄斑
Structure of retina: schema
视网膜结构：示意图
A Amacrine cells 无长突细胞
B Bipolar cells 双极细胞
C Cones 视锥细胞
G Ganglion cells 节细胞
H Horizontal cells 水平细胞
P Pigment cells 色素细胞
R Rods 视杆细胞
Overlapping visual fields
视野重叠区
Central darker circle represents macular zone
中央暗环代表黄斑区
Lighter shades represent monocular fields
较浅阴影代表单侧视野
Each quadrant a different color
每个象限由一种不同的颜色表示
投射到左侧视网膜
Projection on left retina
投射到右侧视网膜
Projection on right retina
视神经
Optic nerves(Ⅱ)
Optic chiasm
视交叉
投射到左背外侧膝状体
Projection on left dorsal lateral geniculate nucleus
投射到右背外侧膝状体
Projection on right dorsal lateral geniculate nucleus
Optic tracts
视束
Lateral geniculate bodies
外侧膝状体
视辐射
Optic radiation
视辐射
Optic radiation
Calcarine sulcus
距状沟
距状沟
Calcarine sulcus
Projection on left occipital lobe
投射到左枕叶
Projection on right occipital lobe
投射到右枕叶
F. Netter M.D.

动眼神经(Ⅲ)、滑车神经(Ⅳ)与展神经(Ⅵ):示意图

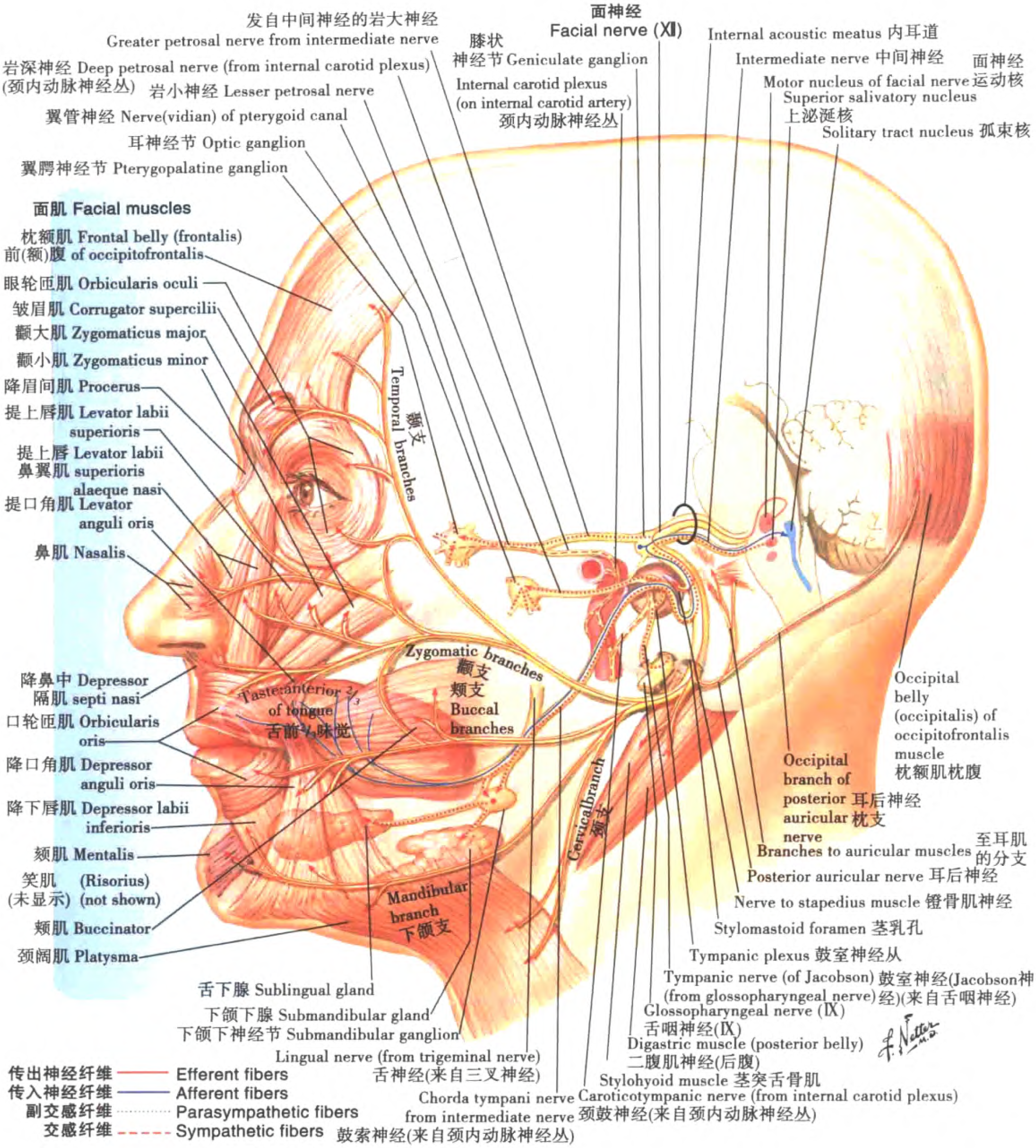
参见图 86,133

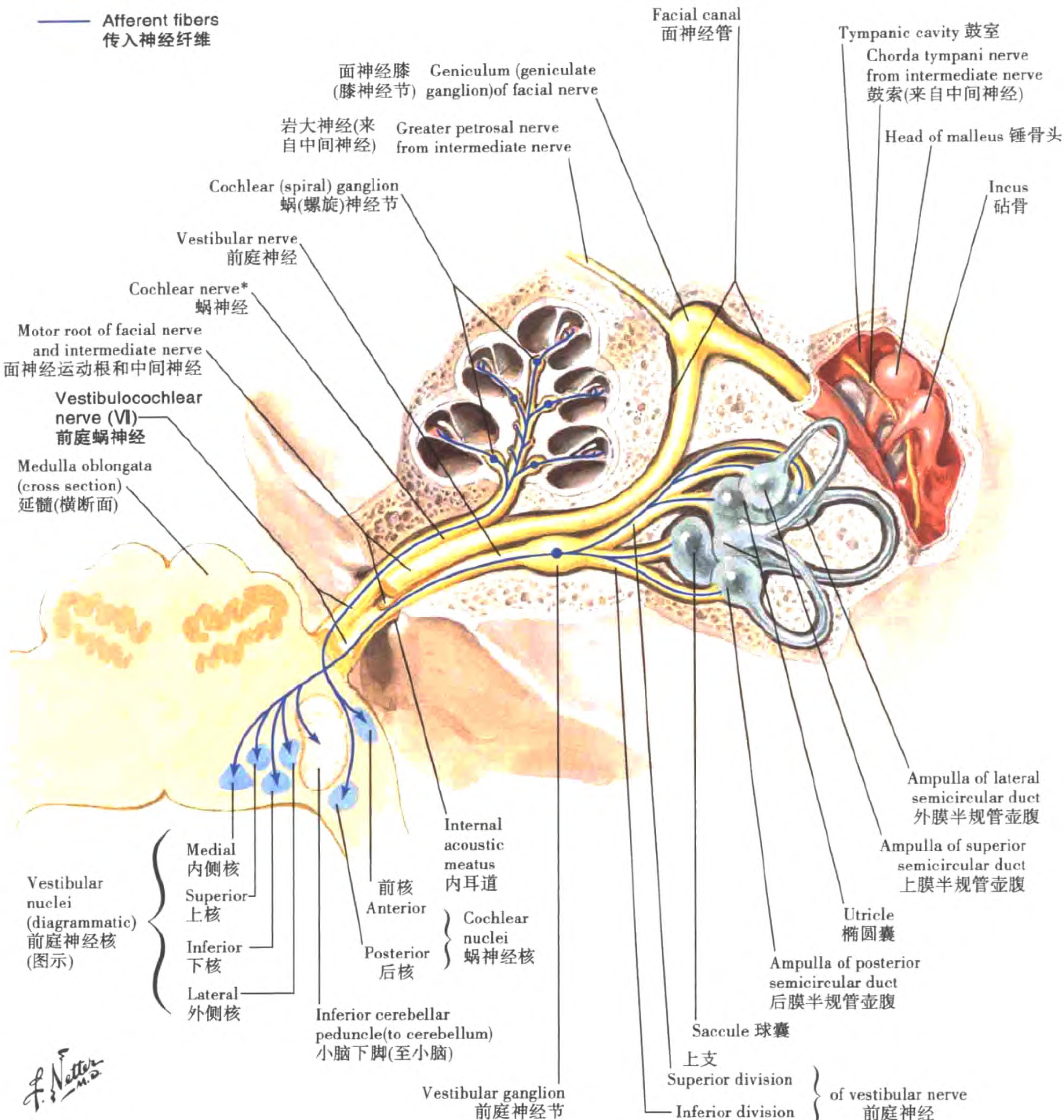



传出神经纤维 Efferent fibers
传入神经纤维 Afferent fibers
本体感觉纤维 Proprioceptive fibers
副交感纤维 Parasympathetic fibers
交感纤维 Sympathetic fibers
Trigeminal nerve (V) ganglion and nuclei 三叉神经节
眼神经 Ophthalmic nerve (V1)
Motor nucleus 运动核
Mesencephalic nucleus 中脑核
Principal sensory nucleus 感觉主核
Spinal tract and nucleus 脊束与脊束核
小脑幕(脑膜)支 Tentorial (meningeal) branch
鼻睫神经 Nasociliary nerve
泪腺神经 Lacrimal nerve
Sensory root of 睫状神经 ciliary ganglion 节感觉根
额神经 Frontal nerve
睫状神经节 Ciliary ganglion
筛后神经 Posterior ethmoidal nerve
睫状长神经 Long ciliary nerve
睫状短神经 Short ciliary nerves
筛前神经 Anterior ethmoidal nerve
眶上神经 Supra-orbital nerve
滑车上神经 Supratrochlear nerve
滑车下神经 Infratrochlear nerve
筛前神经鼻内支 Internal nasal branches
筛前神经鼻外支 External nasal branches of anterior ethmoidal nerve
上颌神经 Maxillary nerve (V2)
脑膜支 Meningeal branch
颧颞神经 Zygomaticotemporal nerve branch
颧面神经 Zygomaticofacial nerve branch
颧神经 Zygomatic nerve
眶下神经 Infra-orbital nerve
翼腭神经节 Pterygopalatine ganglion
眶下神经上牙槽支 Superior alveolar branches of infra-orbital nerve
鼻支(后上外侧支、鼻腭支与后上内侧支) Nasal branches (posterior superior lateral, nasopalatine, and posterior superior medial)
翼管神经(来自面神经和颈内动脉神经丛) Nerve (vidian) of pterygoid canal (from facial nerve[VII] and carotid plexus)
咽支 Pharyngeal branch
腭大神经和腭小神经 Greater and lesser palatine nerves
颞深神经(至颞肌) Deep temporal nerves (to temporalis muscle)
翼外肌神经与咬肌神经 Lateral pterygoid and masseteric nerves
腭帆张肌与翼内肌的神经 Tensor veli palatini and medial pterygoid nerves
颊神经 Buccal nerve
颏神经 Mental nerve
下牙丛 Inferior dental plexus
Lingual nerve 舌神经
下颌下神经节 Submandibular ganglion
下颌舌骨肌神经 Nerve to mylohyoid
Mandibular nerve (V3) 下颌神经
Inferior alveolar nerve 下牙槽神经
Otic ganglion 耳神经节
Tensor tympani nerve 鼓膜张肌
Facial nerve (VII) 面神经
Chorda tympani nerve 鼓索
Superficial temporal branches 颞浅神经
Articular branch and anterior auricular nerves 关节支与耳前神经
Auriculotemporal nerve 耳颞神经
Parotid branches 腮腺支
Meningeal branch 脑膜支
Lesser petrosal nerve (from glossopharyngeal nerve[IX]) 岩小神经(来自舌咽神经)

面神经(Ⅶ)：示意图

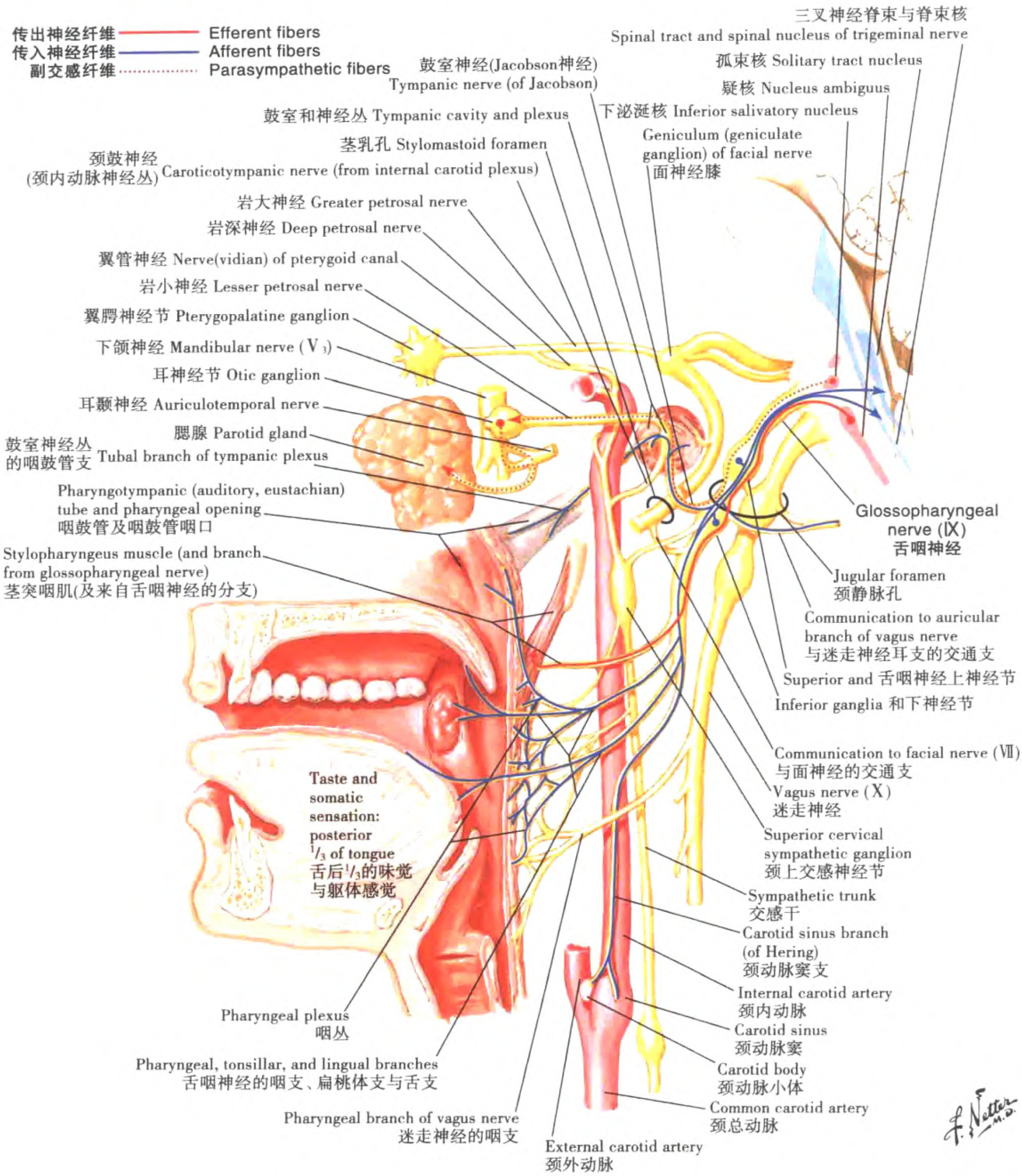
参见图 24



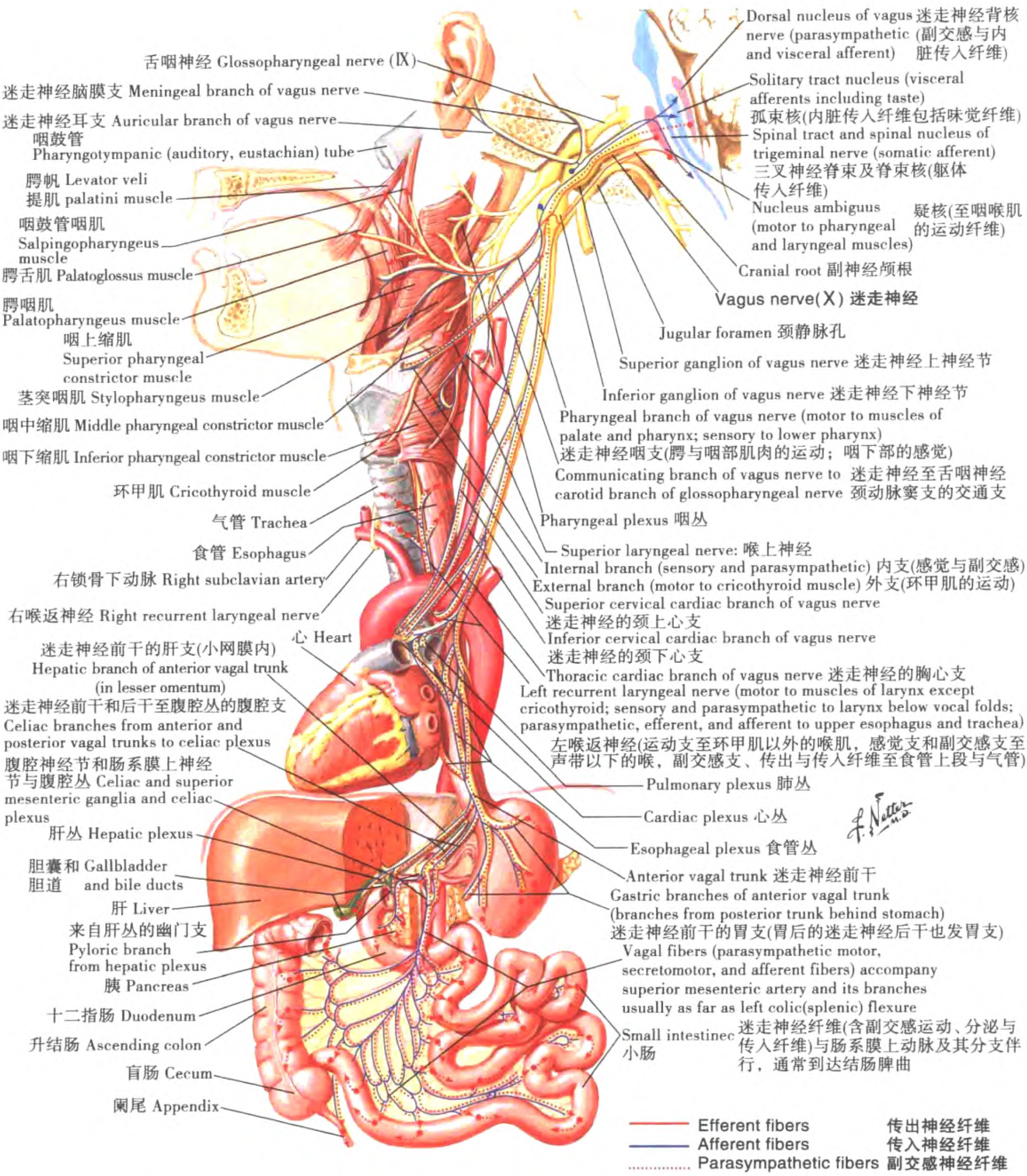


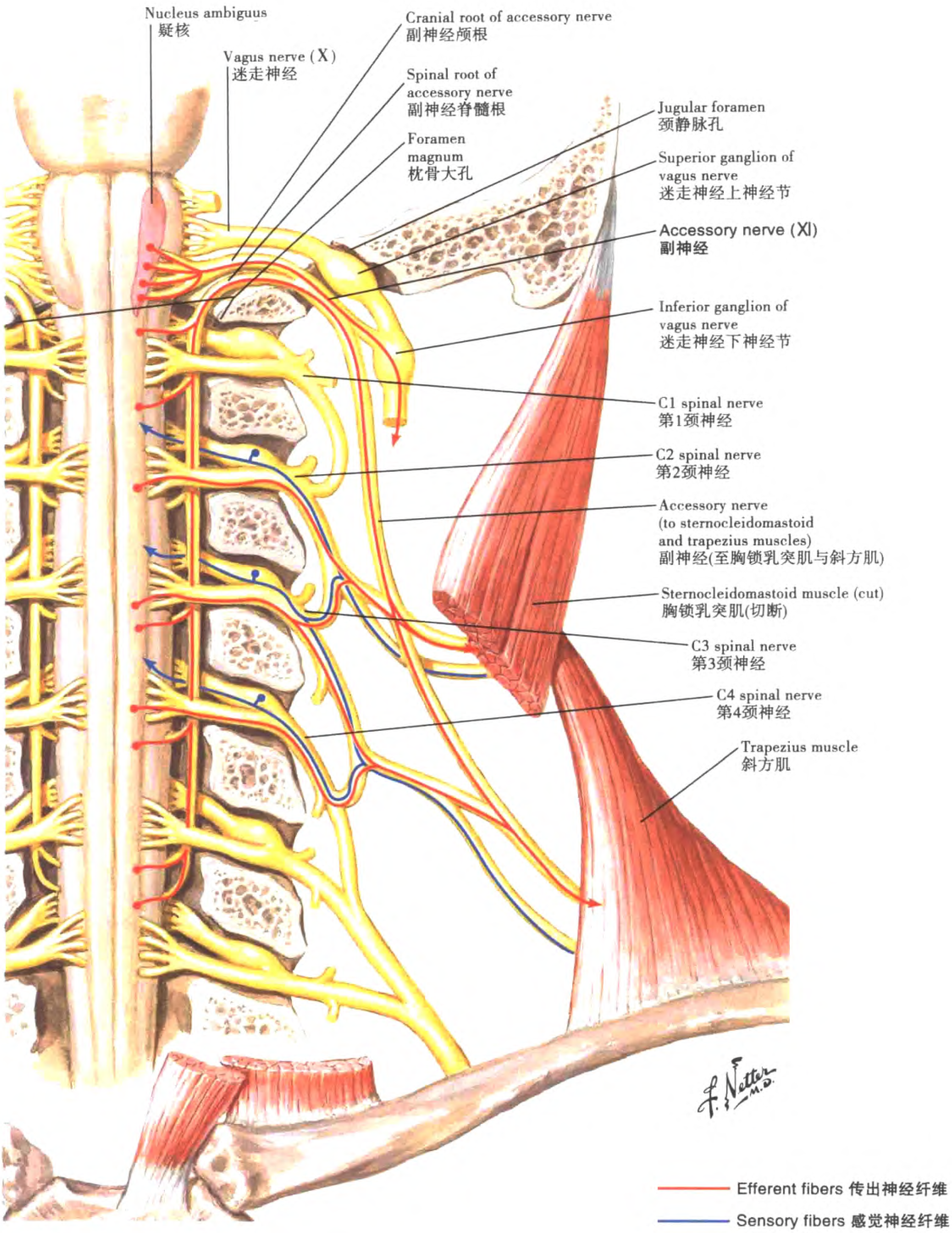
*Note: The cochlear nerve also contains efferent fibers to the sensory epithelium. These fibers are derived from the vestibular nerve while in the internal auditory meatus.
注：蜗神经中也包含至感觉上皮的传出神经纤维。这些纤维在内耳道中源自前庭神经。

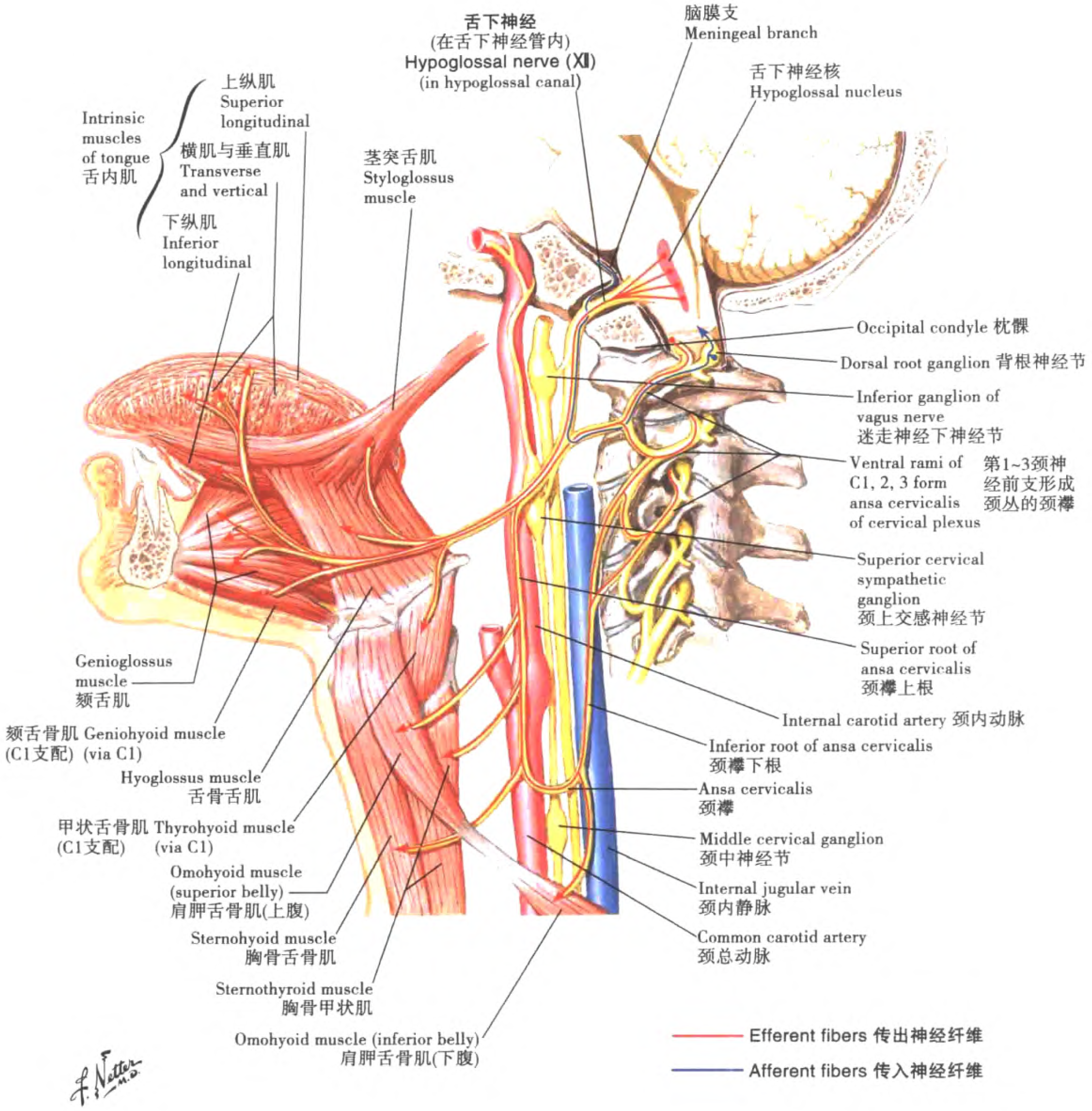
舌咽神经(Ⅸ):示意图



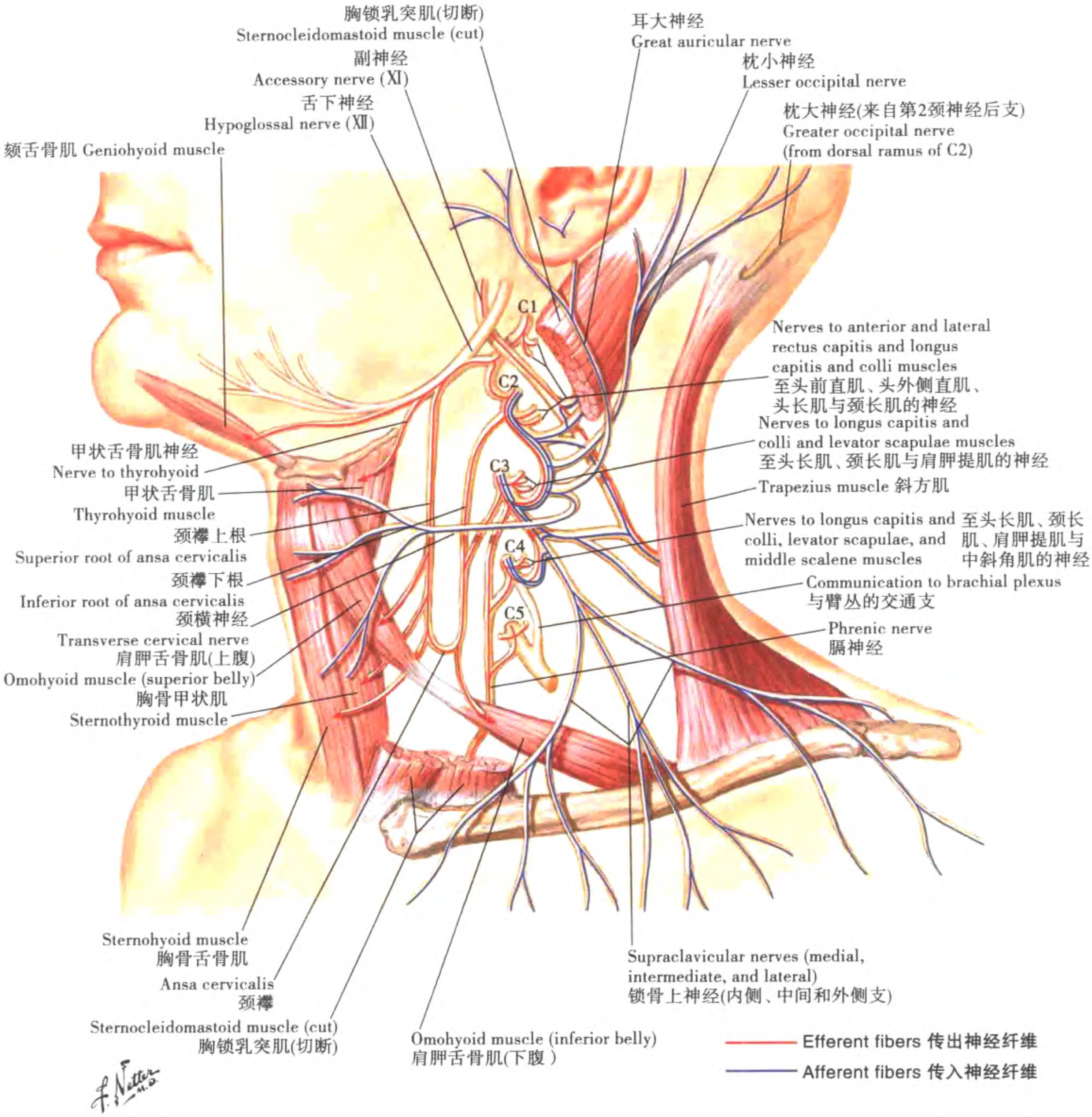
传出神经纤维 Efferent fibers
传入神经纤维 Afferent fibers
副交感纤维 Parasympathetic fibers
三叉神经脊束与脊束核
Spinal tract and spinal nucleus of trigeminal nerve
孤束核 Solitary tract nucleus
疑核 Nucleus ambiguus
下泌涎核 Inferior salivatory nucleus
Geniculum (geniculate ganglion) of facial nerve
面神经膝
鼓室神经(Jacobson神经)
Tympanic nerve (of Jacobson)
鼓室和神经丛 Tympanic cavity and plexus
茎乳孔 Stylomastoid foramen
颈鼓神经
(颈内动脉神经丛) Caroticotympanic nerve (from internal carotid plexus)
岩大神经 Greater petrosal nerve
岩深神经 Deep petrosal nerve
翼管神经 Nerve(vidian) of pterygoid canal
岩小神经 Lesser petrosal nerve
翼腭神经节 Pterygopalatine ganglion
下颌神经 Mandibular nerve (V_3)
耳神经节 Otic ganglion
耳颞神经 Auriculotemporal nerve
腮腺 Parotid gland
鼓室神经丛的咽鼓管支 Tubal branch of tympanic plexus
Pharyngotympanic (auditory, eustachian) tube and pharyngeal opening
咽鼓管及咽鼓管咽口
Stylopharyngeus muscle (and branch from glossopharyngeal nerve)
茎突咽肌(及来自舌咽神经的分支)
Glossopharyngeal nerve (Ⅸ)
舌咽神经
Jugular foramen
颈静脉孔
Communication to auricular branch of vagus nerve
与迷走神经耳支的交通支
Superior and 舌咽神经上神经节
Inferior ganglia 和下神经节
Communication to facial nerve (Ⅶ)
与面神经的交通支
Vagus nerve (Ⅹ)
迷走神经
Superior cervical sympathetic ganglion
颈上交感神经节
Sympathetic trunk
交感干
Carotid sinus branch (of Hering)
颈动脉窦支
Internal carotid artery
颈内动脉
Carotid sinus
颈动脉窦
Carotid body
颈动脉小体
Common carotid artery
颈总动脉
External carotid artery
颈外动脉
Taste and somatic sensation: posterior 1/3 of tongue
舌后1/3的味觉与躯体感觉
Pharyngeal plexus
咽丛
Pharyngeal, tonsillar, and lingual branches
舌咽神经的咽支、扁桃体支与舌支
Pharyngeal branch of vagus nerve
迷走神经的咽支
F. Netter M.D.


Dorsal nucleus of vagus nerve (parasympathetic and visceral afferent) 迷走神经背核(副交感与内脏传入纤维)
Solitary tract nucleus (visceral afferents including taste) 孤束核(内脏传入纤维包括味觉纤维)
Spinal tract and spinal nucleus of trigeminal nerve (somatic afferent) 三叉神经脊束及脊束核(躯体传入纤维)
Nucleus ambiguus (motor to pharyngeal and laryngeal muscles) 疑核(至咽喉肌的运动纤维)
Cranial root 副神经颅根
Vagus nerve(X) 迷走神经
Jugular foramen 颈静脉孔
Superior ganglion of vagus nerve 迷走神经上神经节
Inferior ganglion of vagus nerve 迷走神经下神经节
Pharyngeal branch of vagus nerve (motor to muscles of palate and pharynx; sensory to lower pharynx)
迷走神经咽支(腭与咽部肌肉的运动；咽下部的感觉)
Communicating branch of vagus nerve to carotid branch of glossopharyngeal nerve 迷走神经至舌咽神经颈动脉窦支的交通支
Pharyngeal plexus 咽丛
Superior laryngeal nerve: 喉上神经
Internal branch (sensory and parasympathetic) 内支(感觉与副交感)
External branch (motor to cricothyroid muscle) 外支(环甲肌的运动)
Superior cervical cardiac branch of vagus nerve
迷走神经的颈上心支
Inferior cervical cardiac branch of vagus nerve
迷走神经的颈下心支
Thoracic cardiac branch of vagus nerve 迷走神经的胸心支
Left recurrent laryngeal nerve (motor to muscles of larynx except cricothyroid; sensory and parasympathetic to larynx below vocal folds; parasympathetic, efferent, and afferent to upper esophagus and trachea)
左喉返神经(运动支至环甲肌以外的喉肌，感觉支和副交感支至声带以下的喉，副交感支、传出与传入纤维至食管上段与气管)
Pulmonary plexus 肺丛
Cardiac plexus 心丛
Esophageal plexus 食管丛
Anterior vagal trunk 迷走神经前干
Gastric branches of anterior vagal trunk (branches from posterior trunk behind stomach)
迷走神经前干的胃支(胃后的迷走神经后干也发胃支)
Vagal fibers (parasympathetic motor, secretomotor, and afferent fibers) accompany superior mesenteric artery and its branches usually as far as left colic(splenic) flexure
迷走神经纤维(含副交感运动、分泌与传入纤维)与肠系膜上动脉及其分支伴行，通常到达结肠脾曲
Small intestine 小肠
舌咽神经 Glossopharyngeal nerve (IX)
迷走神经脑膜支 Meningeal branch of vagus nerve
迷走神经耳支 Auricular branch of vagus nerve
咽鼓管 Pharyngotympanic (auditory, eustachian) tube
腭帆提肌 Levator veli palatini muscle
咽鼓管咽肌 Salpingopharyngeus muscle
腭舌肌 Palatoglossus muscle
腭咽肌 Palatopharyngeus muscle
咽上缩肌 Superior pharyngeal constrictor muscle
茎突咽肌 Stylopharyngeus muscle
咽中缩肌 Middle pharyngeal constrictor muscle
咽下缩肌 Inferior pharyngeal constrictor muscle
环甲肌 Cricothyroid muscle
气管 Trachea
食管 Esophagus
右锁骨下动脉 Right subclavian artery
右喉返神经 Right recurrent laryngeal nerve
心 Heart
迷走神经前干的肝支(小网膜内) Hepatic branch of anterior vagal trunk (in lesser omentum)
迷走神经前干和后干至腹腔丛的腹腔支 Celiac branches from anterior and posterior vagal trunks to celiac plexus
腹腔神经节和肠系膜上神经节与腹腔丛 Celiac and superior mesenteric ganglia and celiac plexus
肝丛 Hepatic plexus
胆囊和胆道 Gallbladder and bile ducts
肝 Liver
来自肝丛的幽门支 Pyloric branch from hepatic plexus
胰 Pancreas
十二指肠 Duodenum
升结肠 Ascending colon
盲肠 Cecum
阑尾 Appendix
Efferent fibers 传出神经纤维
Afferent fibers 传入神经纤维
Parasympathetic fibers 副交感神经纤维

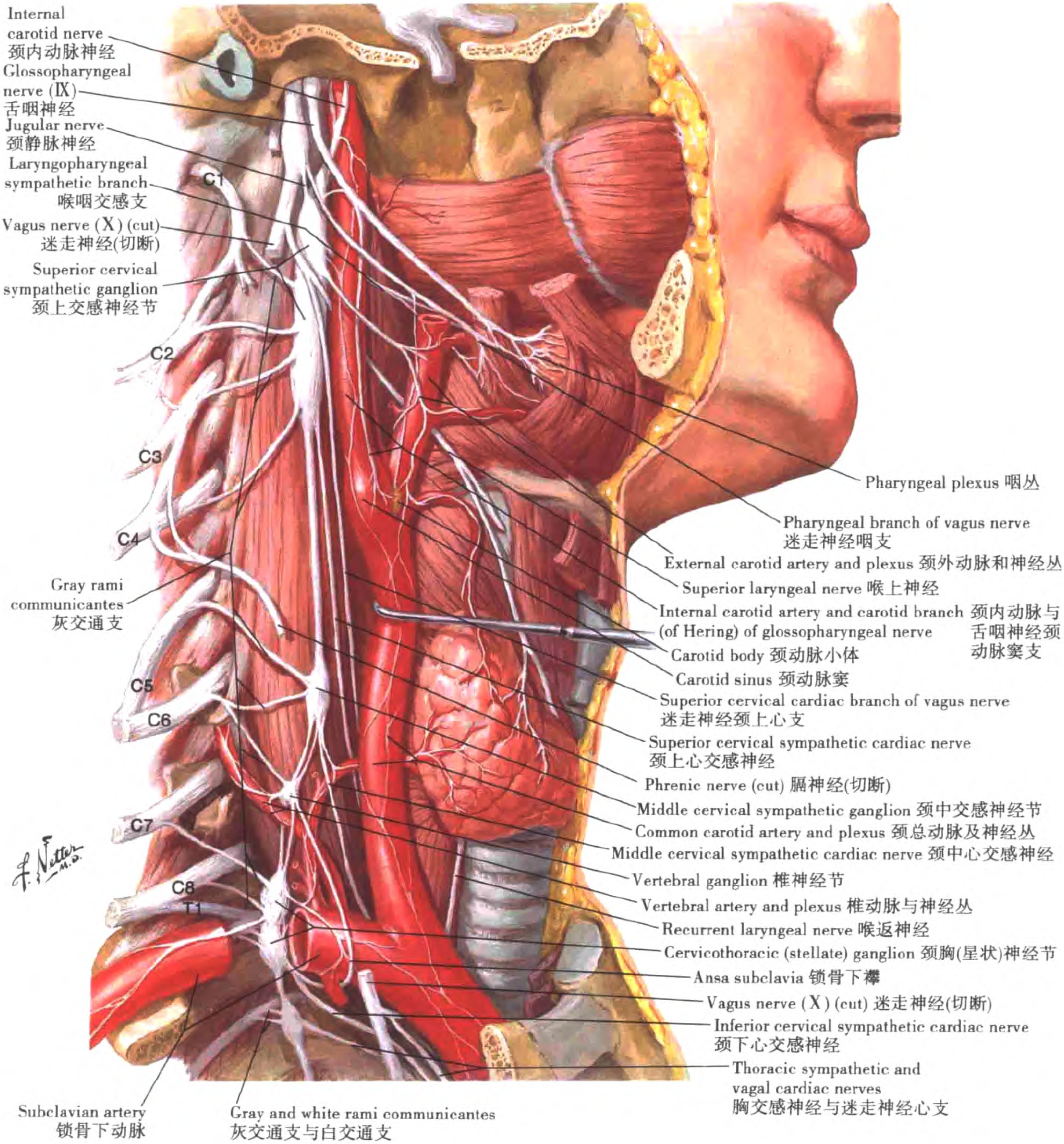

Nucleus ambiguus
疑核
Vagus nerve (X)
迷走神经
Cranial root of accessory nerve
副神经颅根
Spinal root of accessory nerve
副神经脊髓根
Foramen magnum
枕骨大孔
Jugular foramen
颈静脉孔
Superior ganglion of vagus nerve
迷走神经上神经节
Accessory nerve (XI)
副神经
Inferior ganglion of vagus nerve
迷走神经下神经节
C1 spinal nerve
第1颈神经
C2 spinal nerve
第2颈神经
Accessory nerve (to sternocleidomastoid and trapezius muscles)
副神经(至胸锁乳突肌与斜方肌)
Sternocleidomastoid muscle (cut)
胸锁乳突肌(切断)
C3 spinal nerve
第3颈神经
C4 spinal nerve
第4颈神经
Trapezius muscle
斜方肌
Efferent fibers 传出神经纤维
Sensory fibers 感觉神经纤维

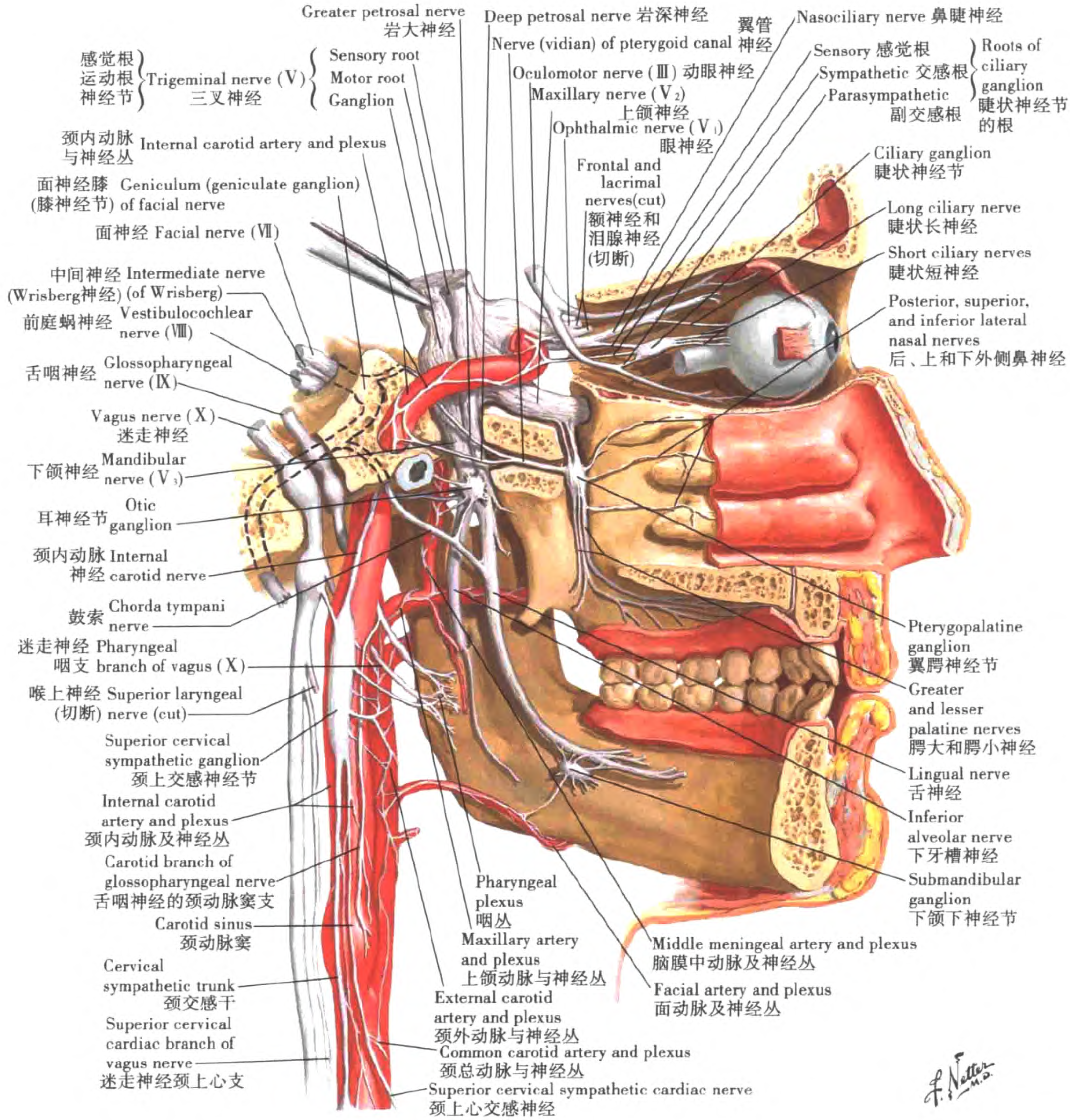

舌下神经
(在舌下神经管内)
Hypoglossal nerve (Ⅻ)
(in hypoglossal canal)
脑膜支
Meningeal branch
舌下神经核
Hypoglossal nucleus
Intrinsic muscles of tongue
舌内肌
上纵肌
Superior longitudinal
横肌与垂直肌
Transverse and vertical
下纵肌
Inferior longitudinal
茎突舌肌
Styloglossus muscle
Occipital condyle 枕髁
Dorsal root ganglion 背根神经节
Inferior ganglion of vagus nerve
迷走神经下神经节
Ventral rami of C1, 2, 3 form ansa cervicalis of cervical plexus
第1~3颈神经前支形成颈丛的颈襻
Superior cervical sympathetic ganglion
颈上交感神经节
Superior root of ansa cervicalis
颈襻上根
Internal carotid artery 颈内动脉
Inferior root of ansa cervicalis
颈襻下根
Ansa cervicalis
颈襻
Middle cervical ganglion
颈中神经节
Internal jugular vein
颈内静脉
Common carotid artery
颈总动脉
Genioglossus muscle
颏舌肌
颏舌骨肌 Geniohyoid muscle
(C1支配) (via C1)
Hyoglossus muscle
舌骨舌肌
甲状舌骨肌 Thyrohyoid muscle
(C1支配) (via C1)
Omohyoid muscle (superior belly)
肩胛舌骨肌(上腹)
Sternohyoid muscle
胸骨舌骨肌
Sternothyroid muscle
胸骨甲状肌
Omohyoid muscle (inferior belly)
肩胛舌骨肌(下腹)
Efferent fibers 传出神经纤维
Afferent fibers 传入神经纤维
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参见图 32,33



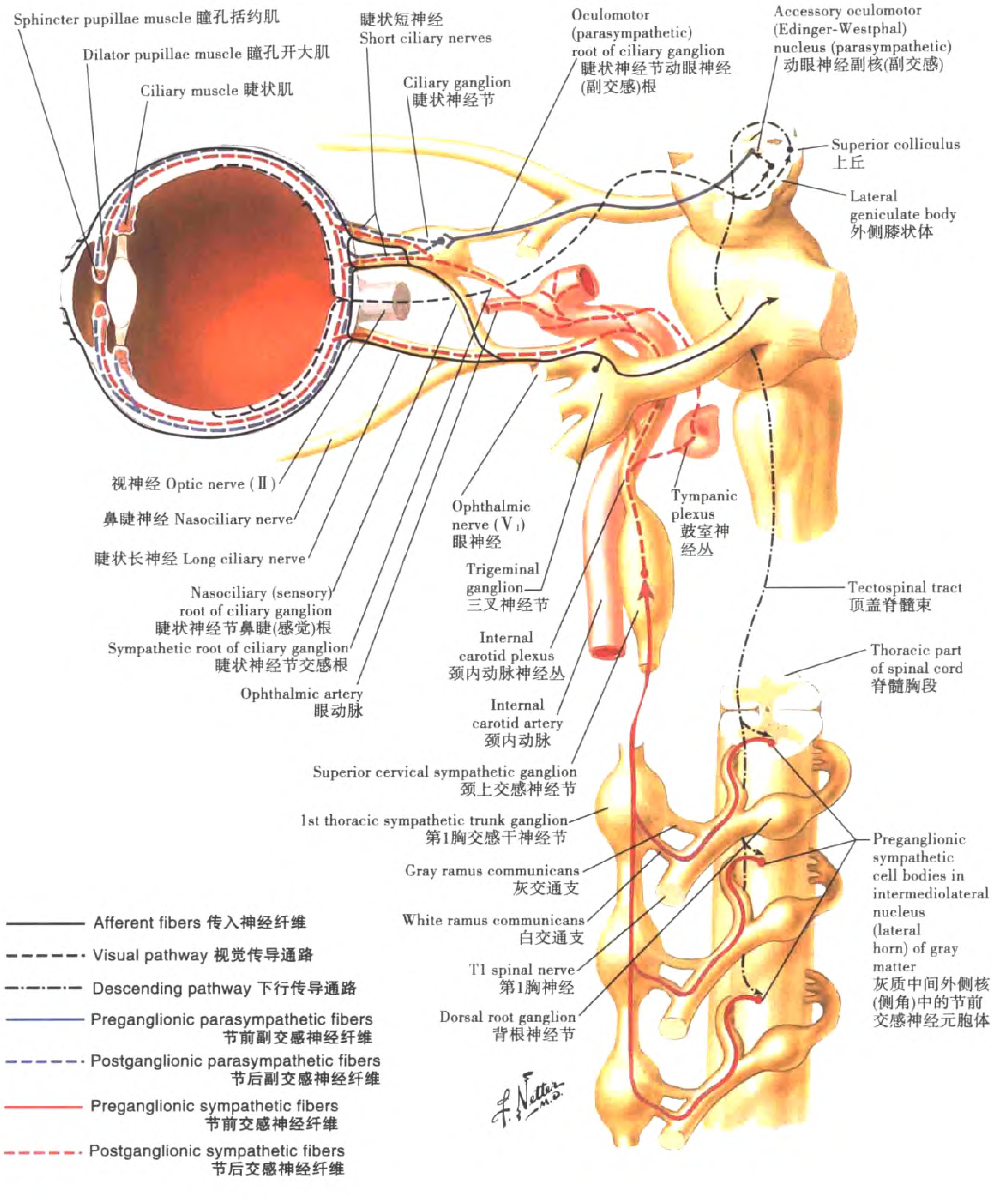
胸锁乳突肌(切断)
Sternocleidomastoid muscle (cut)
副神经
Accessory nerve (XI)
舌下神经
Hypoglossal nerve (XII)
颏舌骨肌 Geniohyoid muscle
耳大神经
Great auricular nerve
枕小神经
Lesser occipital nerve
枕大神经(来自第2颈神经后支)
Greater occipital nerve
(from dorsal ramus of C2)
C1
C2
C3
C4
C5
Nerves to anterior and lateral rectus capitis and longus capitis and colli muscles
至头前直肌、头外侧直肌、头长肌与颈长肌的神经
Nerves to longus capitis and colli and levator scapulae muscles
至头长肌、颈长肌与肩胛提肌的神经
Trapezius muscle 斜方肌
Nerves to longus capitis and colli, levator scapulae, and middle scalene muscles
至头长肌、颈长肌、肩胛提肌与中斜角肌的神经
Communication to brachial plexus
与臂丛的交通支
Phrenic nerve
膈神经
甲状舌骨肌神经
Nerve to thyrohyoid
甲状舌骨肌
Thyrohyoid muscle
颈襻上根
Superior root of ansa cervicalis
颈襻下根
Inferior root of ansa cervicalis
颈横神经
Transverse cervical nerve
肩胛舌骨肌(上腹)
Omohyoid muscle (superior belly)
胸骨甲状肌
Sternothyroid muscle
Sternohyoid muscle
胸骨舌骨肌
Ansa cervicalis
颈襻
Sternocleidomastoid muscle (cut)
胸锁乳突肌(切断)
Omohyoid muscle (inferior belly)
肩胛舌骨肌(下腹)
Supraclavicular nerves (medial, intermediate, and lateral)
锁骨上神经(内侧、中间和外侧支)
Efferent fibers 传出神经纤维
Afferent fibers 传入神经纤维

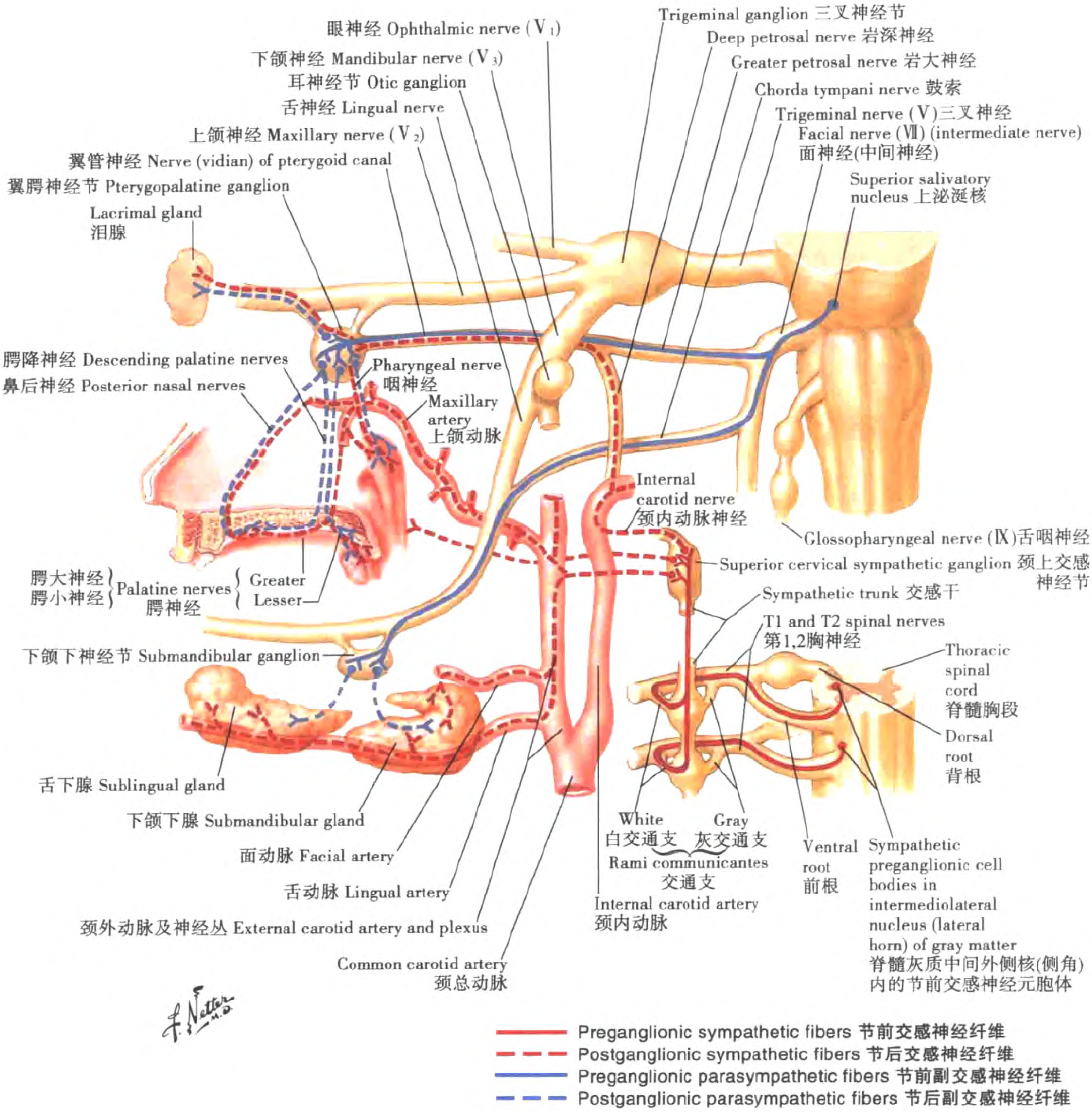

Internal carotid nerve 颈内动脉神经
Glossopharyngeal nerve (IX) 舌咽神经
Jugular nerve 颈静脉神经
Laryngopharyngeal sympathetic branch 喉咽交感支
Vagus nerve (X) (cut) 迷走神经(切断)
Superior cervical sympathetic ganglion 颈上交感神经节
C1
C2
C3
C4
Gray rami communicantes 灰交通支
C5
C6
C7
C8
T1
Subclavian artery 锁骨下动脉
Gray and white rami communicantes 灰交通支与白交通支
Pharyngeal plexus 咽丛
Pharyngeal branch of vagus nerve 迷走神经咽支
External carotid artery and plexus 颈外动脉和神经丛
Superior laryngeal nerve 喉上神经
Internal carotid artery and carotid branch (of Hering) of glossopharyngeal nerve 颈内动脉与舌咽神经颈动脉窦支
Carotid body 颈动脉小体
Carotid sinus 颈动脉窦
Superior cervical cardiac branch of vagus nerve 迷走神经颈上心支
Superior cervical sympathetic cardiac nerve 颈上心交感神经
Phrenic nerve (cut) 膈神经(切断)
Middle cervical sympathetic ganglion 颈中交感神经节
Common carotid artery and plexus 颈总动脉及神经丛
Middle cervical sympathetic cardiac nerve 颈中心交感神经
Vertebral ganglion 椎神经节
Vertebral artery and plexus 椎动脉与神经丛
Recurrent laryngeal nerve 喉返神经
Cervicothoracic (stellate) ganglion 颈胸(星状)神经节
Ansa subclavia 锁骨下襻
Vagus nerve (X) (cut) 迷走神经(切断)
Inferior cervical sympathetic cardiac nerve 颈下心交感神经
Thoracic sympathetic and vagal cardiac nerves 胸交感神经与迷走神经心支
F. Netter M.D.

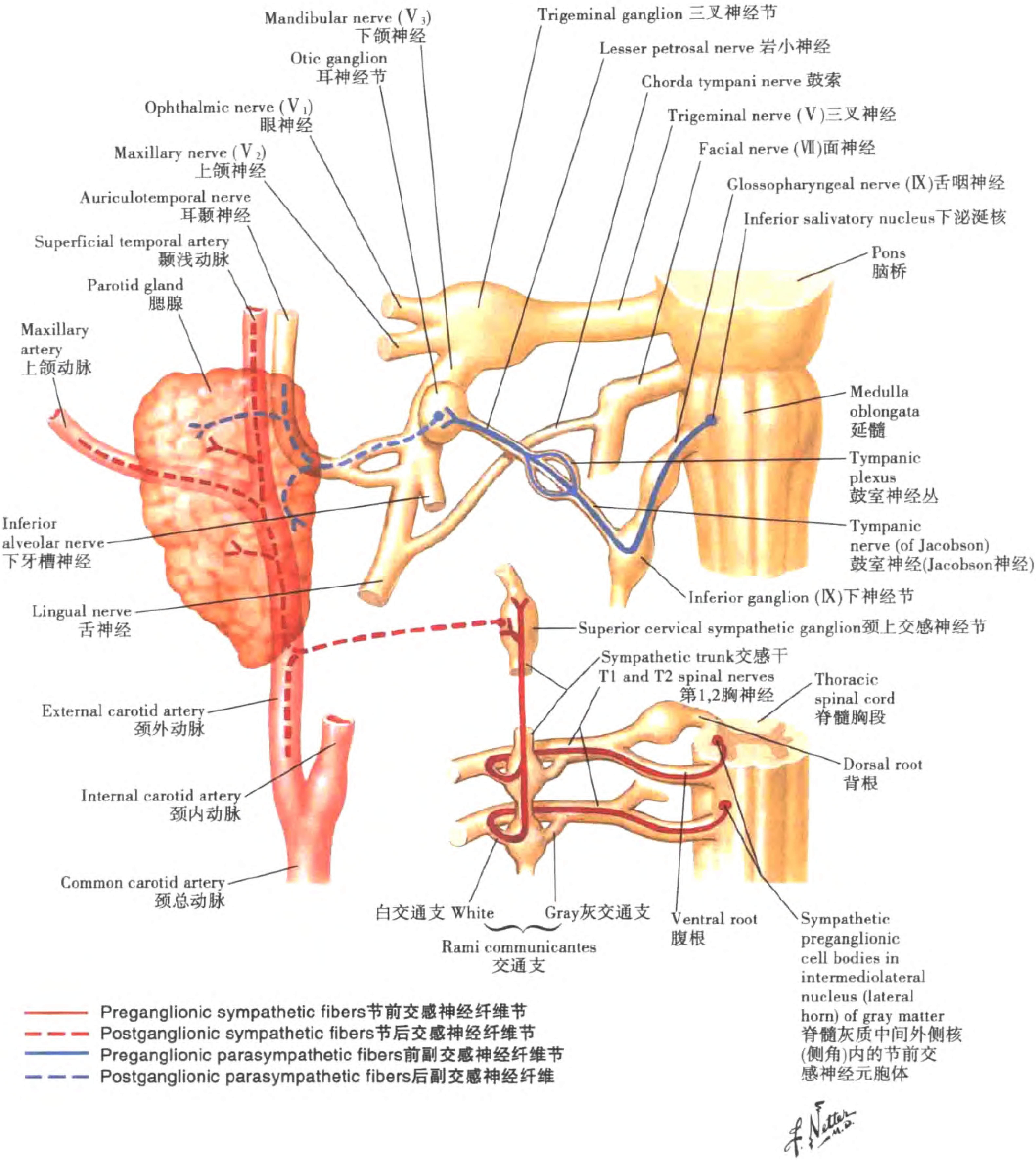

Greater petrosal nerve 岩大神经
Deep petrosal nerve 岩深神经
Nerve (vidian) of pterygoid canal 翼管神经
Nasociliary nerve 鼻睫神经
感觉根 运动根 神经节 Trigeminal nerve (V) 三叉神经 Sensory root Motor root Ganglion
Oculomotor nerve (Ⅲ) 动眼神经
Maxillary nerve (V2) 上颌神经
Sensory 感觉根
Sympathetic 交感根
Parasympathetic 副交感根
Roots of ciliary ganglion 睫状神经节的根
颈内动脉与神经丛 Internal carotid artery and plexus
Ophthalmic nerve (V1) 眼神经
Ciliary ganglion 睫状神经节
Frontal and lacrimal nerves(cut) 额神经和泪腺神经(切断)
面神经膝(膝神经节) Geniculum (geniculate ganglion) of facial nerve
Long ciliary nerve 睫状长神经
面神经 Facial nerve (Ⅶ)
Short ciliary nerves 睫状短神经
中间神经(Wrisberg神经) Intermediate nerve (of Wrisberg)
Posterior, superior, and inferior lateral nasal nerves 后、上和下外侧鼻神经
前庭蜗神经 Vestibulocochlear nerve (Ⅷ)
舌咽神经 Glossopharyngeal nerve (Ⅸ)
Vagus nerve (X) 迷走神经
下颌神经 Mandibular nerve (V3)
耳神经节 Otic ganglion
颈内动脉神经 Internal carotid nerve
鼓索 Chorda tympani nerve
Pterygopalatine ganglion 翼腭神经节
迷走神经咽支 Pharyngeal branch of vagus (X)
Greater and lesser palatine nerves 腭大和腭小神经
喉上神经(切断) Superior laryngeal nerve (cut)
Superior cervical sympathetic ganglion 颈上交感神经节
Lingual nerve 舌神经
Internal carotid artery and plexus 颈内动脉及神经丛
Inferior alveolar nerve 下牙槽神经
Carotid branch of glossopharyngeal nerve 舌咽神经的颈动脉窦支
Pharyngeal plexus 咽丛
Submandibular ganglion 下颌下神经节
Carotid sinus 颈动脉窦
Maxillary artery and plexus 上颌动脉与神经丛
Middle meningeal artery and plexus 脑膜中动脉及神经丛
Cervical sympathetic trunk 颈交感干
External carotid artery and plexus 颈外动脉与神经丛
Facial artery and plexus 面动脉及神经丛
Superior cervical cardiac branch of vagus nerve 迷走神经颈上心支
Common carotid artery and plexus 颈总动脉与神经丛
Superior cervical sympathetic cardiac nerve 颈上心交感神经

睫状神经节：示意图

参见图 53

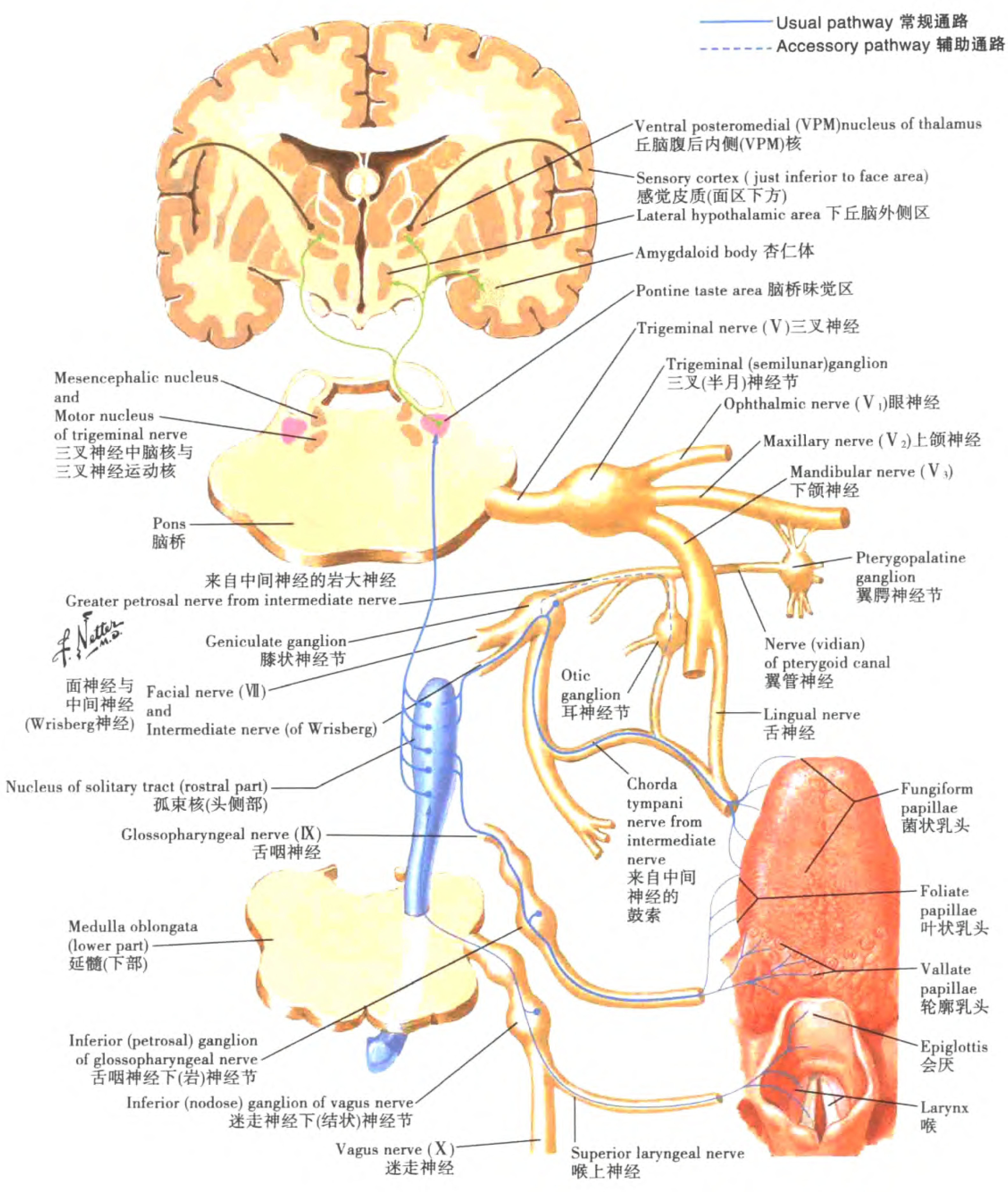



眼神经 Ophthalmic nerve (V₁)
下颌神经 Mandibular nerve (V₃)
耳神经节 Otic ganglion
舌神经 Lingual nerve
上颌神经 Maxillary nerve (V₂)
翼管神经 Nerve (vidian) of pterygoid canal
翼腭神经节 Pterygopalatine ganglion
Lacrimal gland
泪腺
Trigeminal ganglion 三叉神经节
Deep petrosal nerve 岩深神经
Greater petrosal nerve 岩大神经
Chorda tympani nerve 鼓索
Trigeminal nerve (V)三叉神经
Facial nerve (Ⅶ) (intermediate nerve)
面神经(中间神经)
Superior salivatory nucleus 上泌涎核
腭降神经 Descending palatine nerves
鼻后神经 Posterior nasal nerves
Pharyngeal nerve
咽神经
Maxillary artery
上颌动脉
Internal carotid nerve
颈内动脉神经
Glossopharyngeal nerve (Ⅸ)舌咽神经
Superior cervical sympathetic ganglion 颈上交感神经节
腭大神经
腭小神经
Palatine nerves
腭神经
Greater
Lesser
Sympathetic trunk 交感干
T1 and T2 spinal nerves
第1,2胸神经
下颌下神经节 Submandibular ganglion
Thoracic spinal cord
脊髓胸段
Dorsal root
背根
舌下腺 Sublingual gland
下颌下腺 Submandibular gland
面动脉 Facial artery
舌动脉 Lingual artery
颈外动脉及神经丛 External carotid artery and plexus
Common carotid artery
颈总动脉
White
白交通支
Gray
灰交通支
Rami communicantes
交通支
Internal carotid artery
颈内动脉
Ventral root
前根
Sympathetic preganglionic cell bodies in intermediolateral nucleus (lateral horn) of gray matter
脊髓灰质中间外侧核(侧角)内的节前交感神经元胞体
Preganglionic sympathetic fibers 节前交感神经纤维
Postganglionic sympathetic fibers 节后交感神经纤维
Preganglionic parasympathetic fibers 节前副交感神经纤维
Postganglionic parasympathetic fibers 节后副交感神经纤维



Mandibular nerve (V3) 下颌神经
Otic ganglion 耳神经节
Ophthalmic nerve (V1) 眼神经
Maxillary nerve (V2) 上颌神经
Auriculotemporal nerve 耳颞神经
Superficial temporal artery 颞浅动脉
Parotid gland 腮腺
Maxillary artery 上颌动脉
Inferior alveolar nerve 下牙槽神经
Lingual nerve 舌神经
External carotid artery 颈外动脉
Internal carotid artery 颈内动脉
Common carotid artery 颈总动脉
Trigeminal ganglion 三叉神经节
Lesser petrosal nerve 岩小神经
Chorda tympani nerve 鼓索
Trigeminal nerve (V)三叉神经
Facial nerve (Ⅶ)面神经
Glossopharyngeal nerve (Ⅸ)舌咽神经
Inferior salivatory nucleus下泌涎核
Pons 脑桥
Medulla oblongata 延髓
Tympanic plexus 鼓室神经丛
Tympanic nerve (of Jacobson) 鼓室神经(Jacobson神经)
Inferior ganglion (Ⅸ)下神经节
Superior cervical sympathetic ganglion颈上交感神经节
Sympathetic trunk交感干
T1 and T2 spinal nerves 第1,2胸神经
Thoracic spinal cord 脊髓胸段
Dorsal root 背根
白交通支 White
Gray灰交通支
Rami communicantes 交通支
Ventral root 腹根
Sympathetic preganglionic cell bodies in intermediolateral nucleus (lateral horn) of gray matter 脊髓灰质中间外侧核(侧角)内的节前交感神经元胞体
Preganglionic sympathetic fibers节前交感神经纤维节
Postganglionic sympathetic fibers节后交感神经纤维节
Preganglionic parasympathetic fibers前副交感神经纤维节
Postganglionic parasympathetic fibers后副交感神经纤维
F. Netter M.D.

参见图 124,126,127



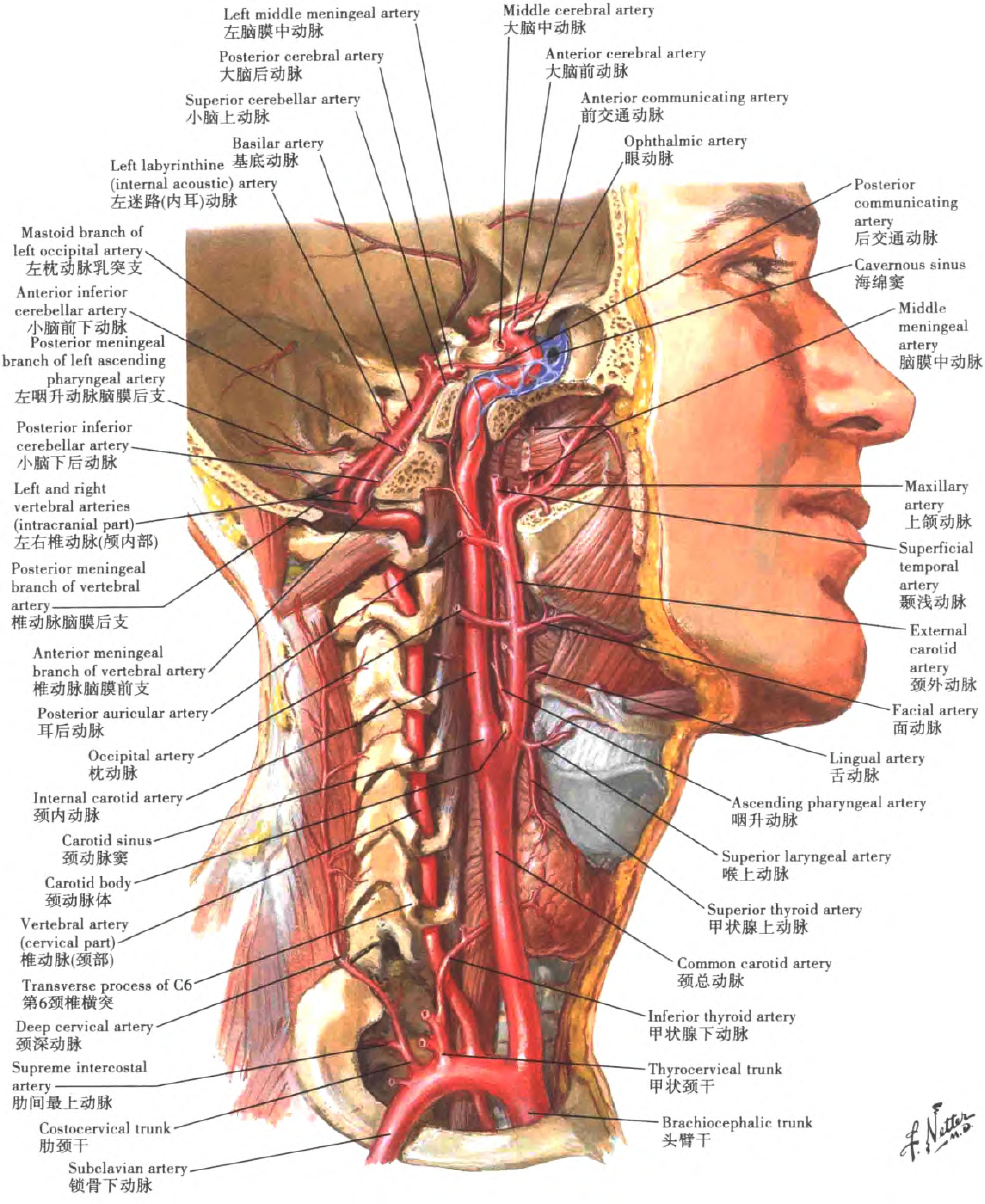
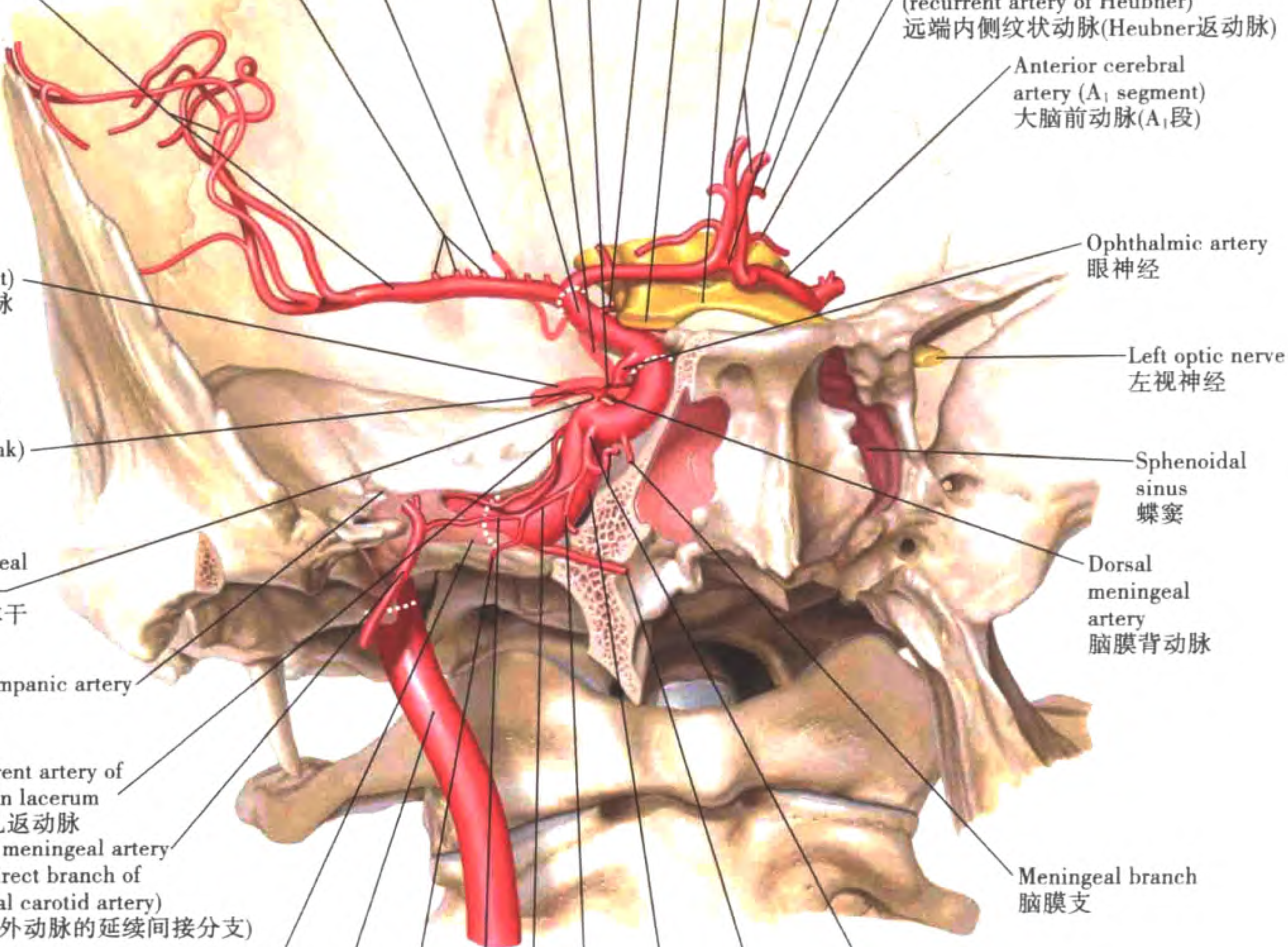
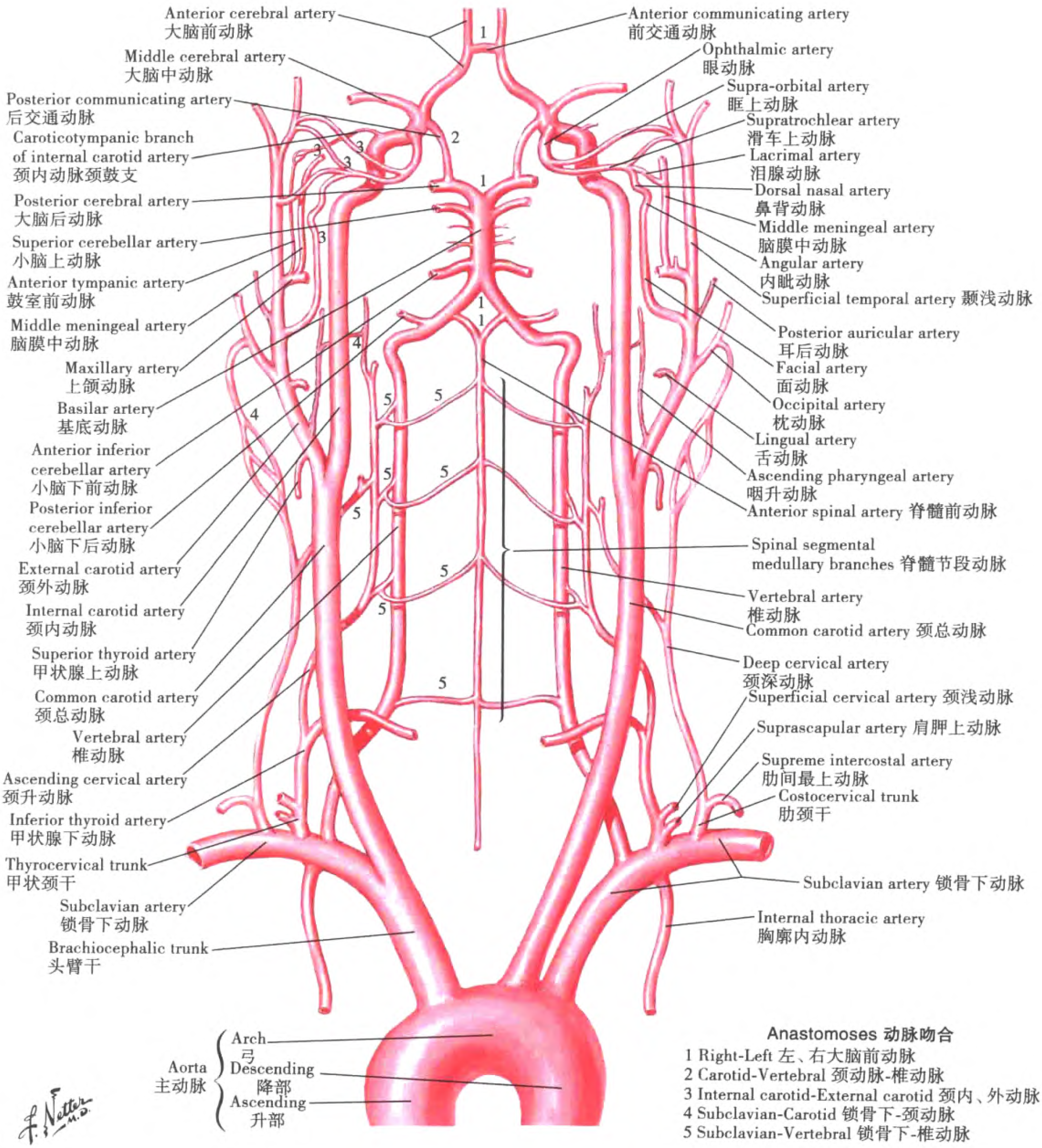

Left middle meningeal artery
左脑膜中动脉
Posterior cerebral artery
大脑后动脉
Superior cerebellar artery
小脑上动脉
Basilar artery
基底动脉
Left labyrinthine (internal acoustic) artery
左迷路(内耳)动脉
Mastoid branch of left occipital artery
左枕动脉乳突支
Anterior inferior cerebellar artery
小脑前下动脉
Posterior meningeal branch of left ascending pharyngeal artery
左咽升动脉脑膜后支
Posterior inferior cerebellar artery
小脑下后动脉
Left and right vertebral arteries (intracranial part)
左右椎动脉(颅内部)
Posterior meningeal branch of vertebral artery
椎动脉脑膜后支
Anterior meningeal branch of vertebral artery
椎动脉脑膜前支
Posterior auricular artery
耳后动脉
Occipital artery
枕动脉
Internal carotid artery
颈内动脉
Carotid sinus
颈动脉窦
Carotid body
颈动脉体
Vertebral artery (cervical part)
椎动脉(颈部)
Transverse process of C6
第6颈椎横突
Deep cervical artery
颈深动脉
Supreme intercostal artery
肋间最上动脉
Costocervical trunk
肋颈干
Subclavian artery
锁骨下动脉
Middle cerebral artery
大脑中动脉
Anterior cerebral artery
大脑前动脉
Anterior communicating artery
前交通动脉
Ophthalmic artery
眼动脉
Posterior communicating artery
后交通动脉
Cavernous sinus
海绵窦
Middle meningeal artery
脑膜中动脉
Maxillary artery
上颌动脉
Superficial temporal artery
颞浅动脉
External carotid artery
颈外动脉
Facial artery
面动脉
Lingual artery
舌动脉
Ascending pharyngeal artery
咽升动脉
Superior laryngeal artery
喉上动脉
Superior thyroid artery
甲状腺上动脉
Common carotid artery
颈总动脉
Inferior thyroid artery
甲状腺下动脉
Thyrocervical trunk
甲状颈干
Brachiocephalic trunk
头臂干
F. Netter M.D.

图 137　头部血管

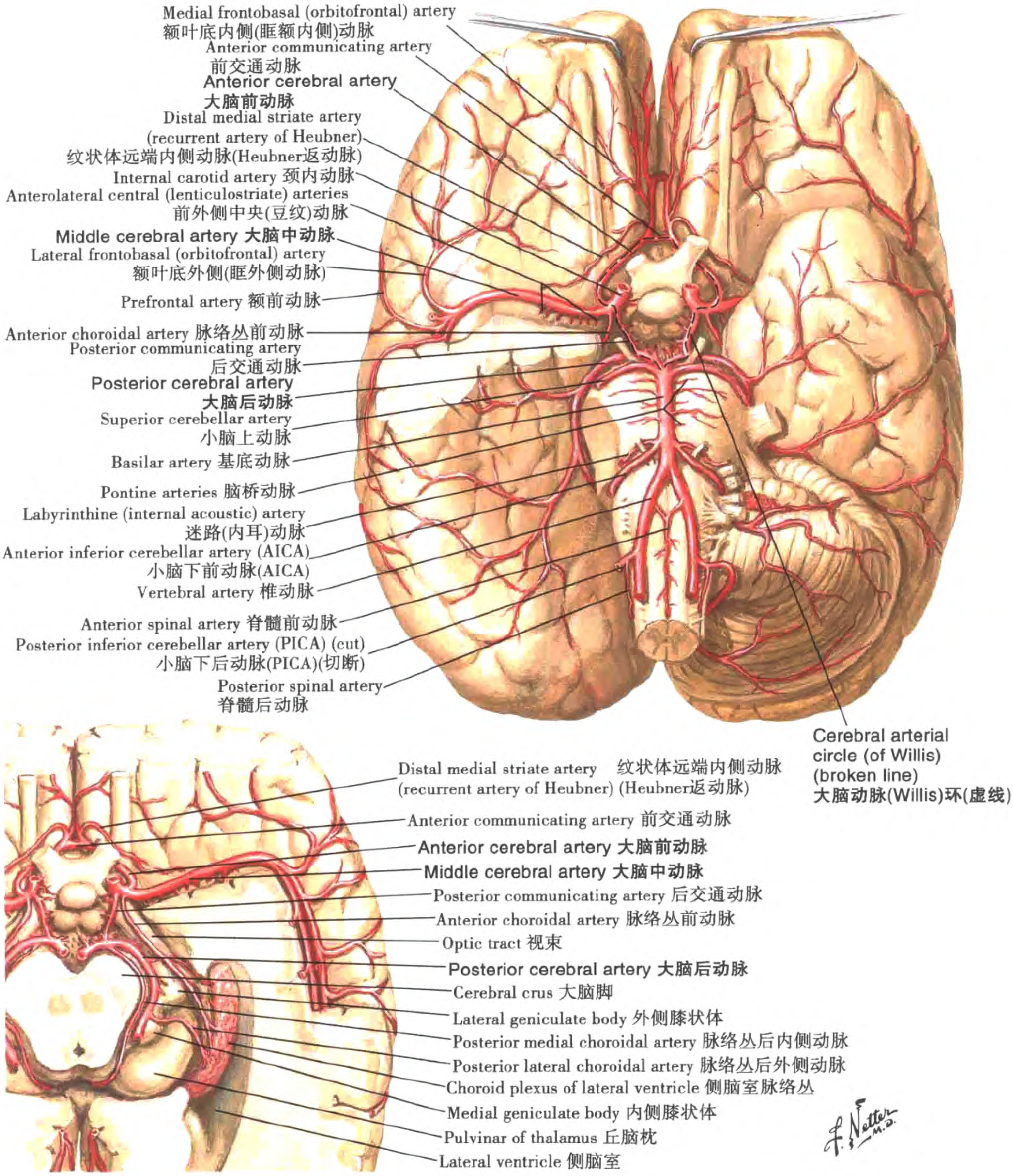


Inferior hypophyseal artery 垂体下动脉
Posterior communicating artery 后交通动脉
Cerebral part of internal carotid artery 颈内动脉大脑部
Anterior choroidal artery 脉络丛前动脉
Anterolateral central (lenticulostriate) arteries 中央前外侧中(豆纹)动脉
Middle cerebral artery and branches 大脑中动脉及分支
Posterior cerebral artery (P_2 segment) 大脑后动脉（P_2段）
Tentorial branch (of meningo-hypophyseal trunk) (脑膜垂体干) 小脑幕支
Meningo-hypophyseal trunk 脑膜垂体干
Caroticotympanic artery 颈鼓动脉
Recurrent artery of foramen lacerum 破裂孔返动脉
Middle meningeal artery (indirect branch of external carotid artery) 脑膜中动脉(颈外动脉的延续间接分支)
Petrous parts of internal carotid artery (under bone) 颈外动脉岩部（骨下方）
Cervical part of internal carotid artery 颈内动脉颈部
Branch to foramen ovale 卵圆孔支
Branch to foramen spinosum 破裂孔支
Internal to external carotid artery anastomosis 颈内外动脉吻合
Branch to foramen rotundum 圆孔支
Cavernous part of internal carotid artery 颈内动脉海绵窦部
Artery of pterygoid canal 翼管动脉
Artery to inferior cavernous sinus (inferolateral trunk) and branch to superior orbital fissure 至下海绵窦的动脉(外下干)和眶上裂支
Meningeal branch 脑膜支
Dorsal meningeal artery 脑膜背动脉
Sphenoidal sinus 蝶窦
Left optic nerve 左视神经
Ophthalmic artery 眼神经
Anterior cerebral artery (A_1 segment) 大脑前动脉(A_1段)
Distal medial striate artery (recurrent artery of Heubner) 远端内侧纹状动脉(Heubner返动脉)
Medial frontobasal (medial orbitofrontal) artery 额叶底内侧动脉
Anterior communicating artery 前交通动脉
Anterior cerebral arteries (A_2 segments) 大脑前动脉(A_2段)
Optic chiasm 视交叉
Right optic nerve 右视神经
Superior hypophyseal arteries 垂体上动脉
C.Machado M.D.



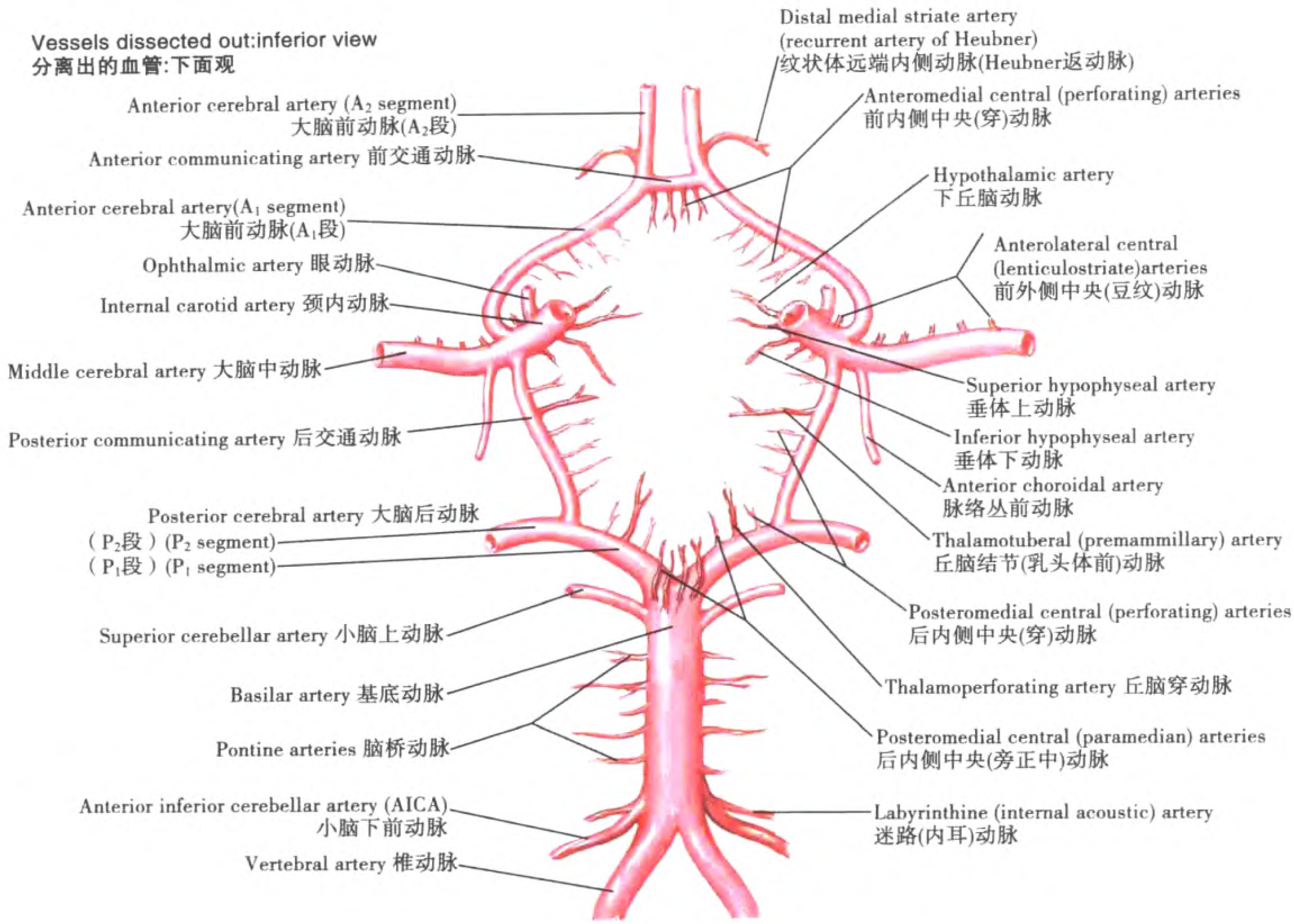
Anastomoses 动脉吻合

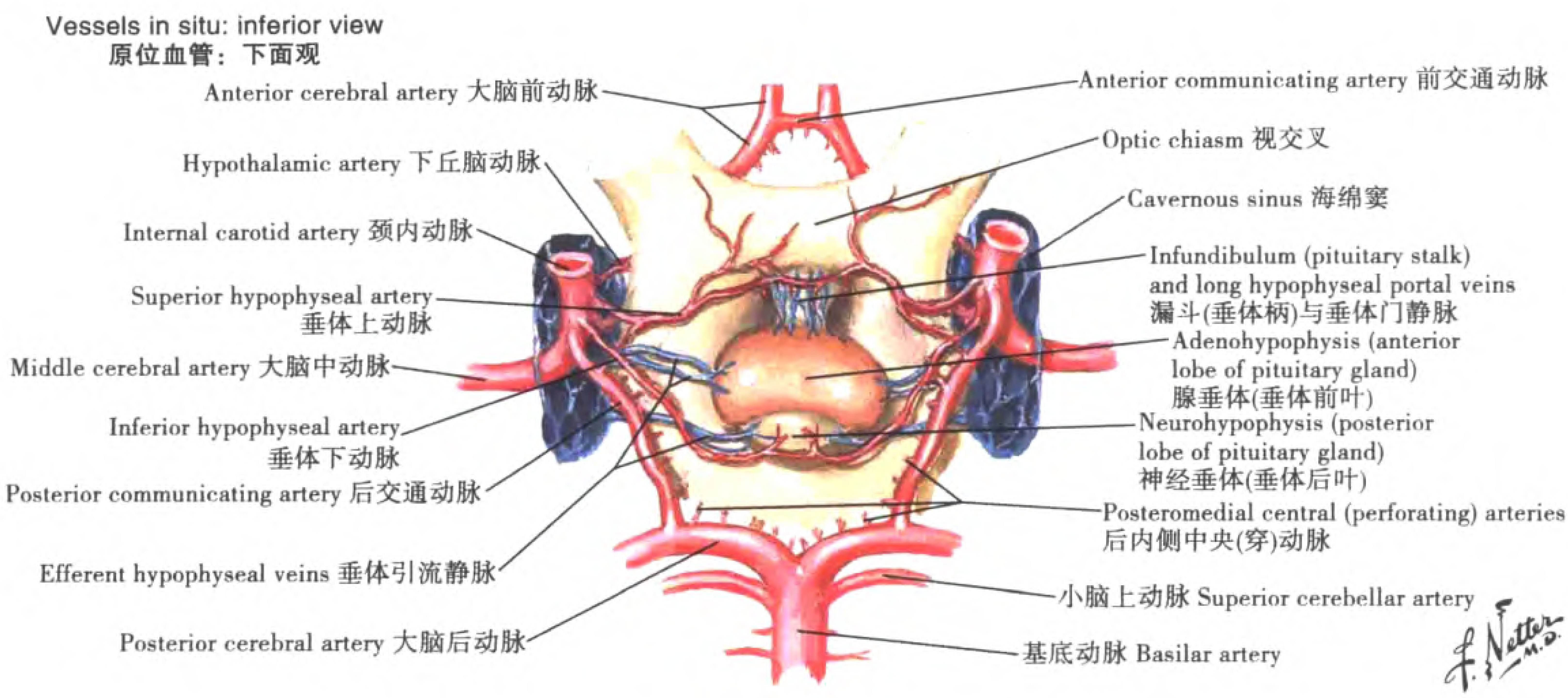
1 Right-Left 左、右大脑前动脉
2 Carotid-Vertebral 颈动脉-椎动脉
3 Internal carotid-External carotid 颈内、外动脉
4 Subclavian-Carotid 锁骨下-颈动脉
5 Subclavian-Vertebral 锁骨下-椎动脉

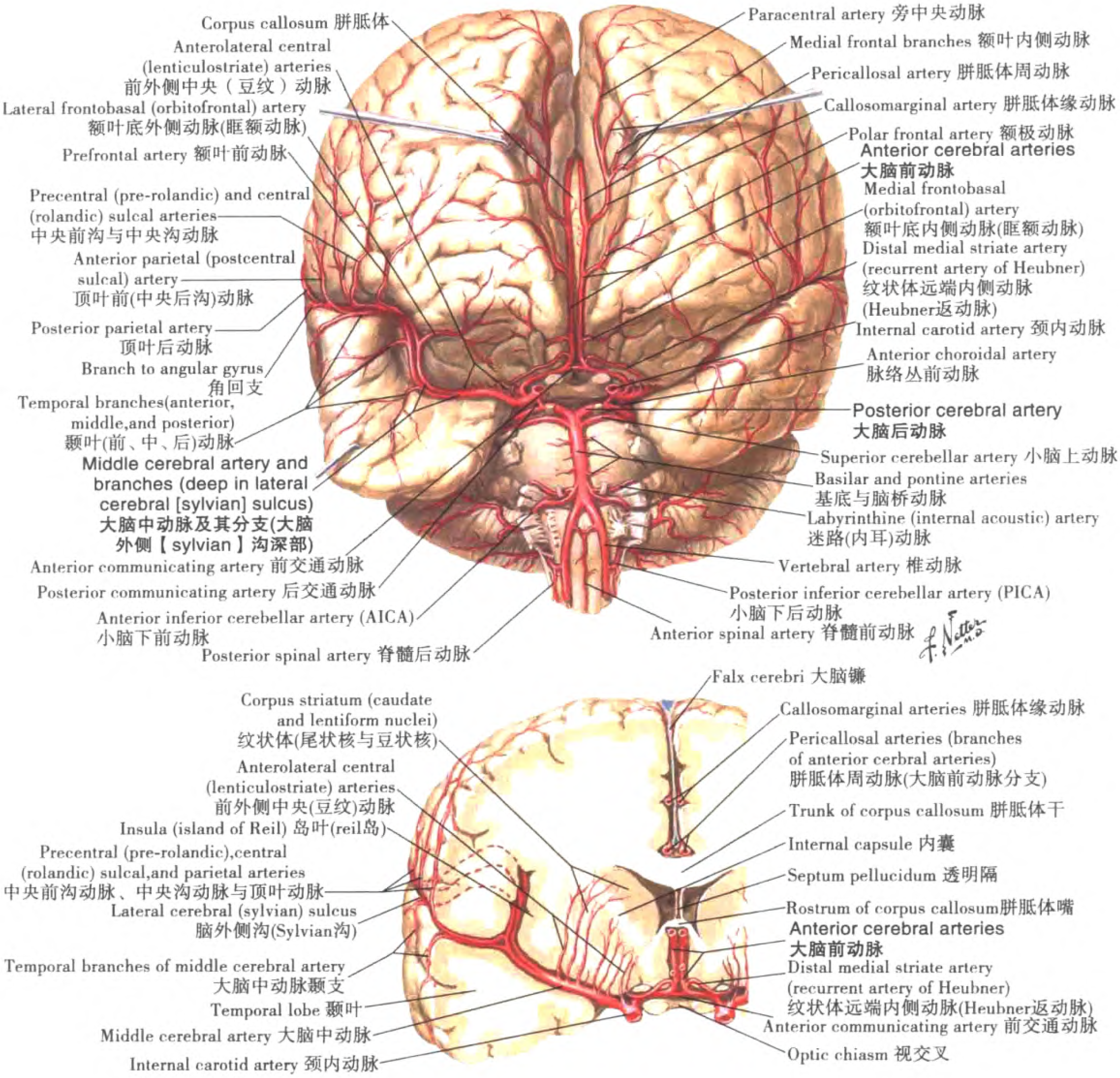


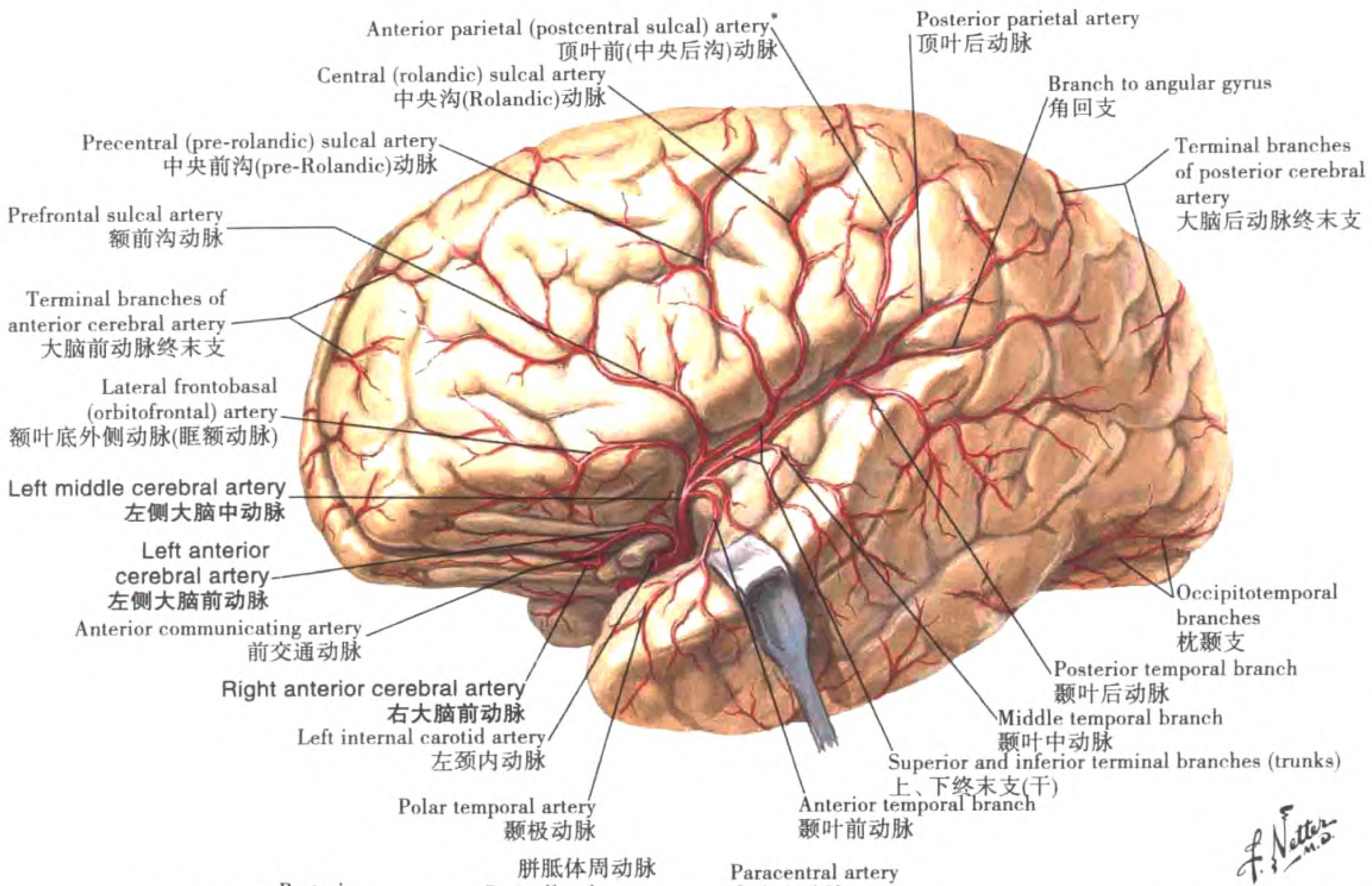
Medial frontobasal (orbitofrontal) artery
额叶底内侧(眶额内侧)动脉
Anterior communicating artery
前交通动脉
Anterior cerebral artery
大脑前动脉
Distal medial striate artery
(recurrent artery of Heubner)
纹状体远端内侧动脉(Heubner返动脉)
Internal carotid artery 颈内动脉
Anterolateral central (lenticulostriate) arteries
前外侧中央(豆纹)动脉
Middle cerebral artery 大脑中动脉
Lateral frontobasal (orbitofrontal) artery
额叶底外侧(眶外侧动脉)
Prefrontal artery 额前动脉
Anterior choroidal artery 脉络丛前动脉
Posterior communicating artery
后交通动脉
Posterior cerebral artery
大脑后动脉
Superior cerebellar artery
小脑上动脉
Basilar artery 基底动脉
Pontine arteries 脑桥动脉
Labyrinthine (internal acoustic) artery
迷路(内耳)动脉
Anterior inferior cerebellar artery (AICA)
小脑下前动脉(AICA)
Vertebral artery 椎动脉
Anterior spinal artery 脊髓前动脉
Posterior inferior cerebellar artery (PICA) (cut)
小脑下后动脉(PICA)(切断)
Posterior spinal artery
脊髓后动脉
Cerebral arterial
circle (of Willis)
(broken line)
大脑动脉(Willis)环(虚线)
Distal medial striate artery 纹状体远端内侧动脉
(recurrent artery of Heubner) (Heubner返动脉)
Anterior communicating artery 前交通动脉
Anterior cerebral artery 大脑前动脉
Middle cerebral artery 大脑中动脉
Posterior communicating artery 后交通动脉
Anterior choroidal artery 脉络丛前动脉
Optic tract 视束
Posterior cerebral artery 大脑后动脉
Cerebral crus 大脑脚
Lateral geniculate body 外侧膝状体
Posterior medial choroidal artery 脉络丛后内侧动脉
Posterior lateral choroidal artery 脉络丛后外侧动脉
Choroid plexus of lateral ventricle 侧脑室脉络丛
Medial geniculate body 内侧膝状体
Pulvinar of thalamus 丘脑枕
Lateral ventricle 侧脑室
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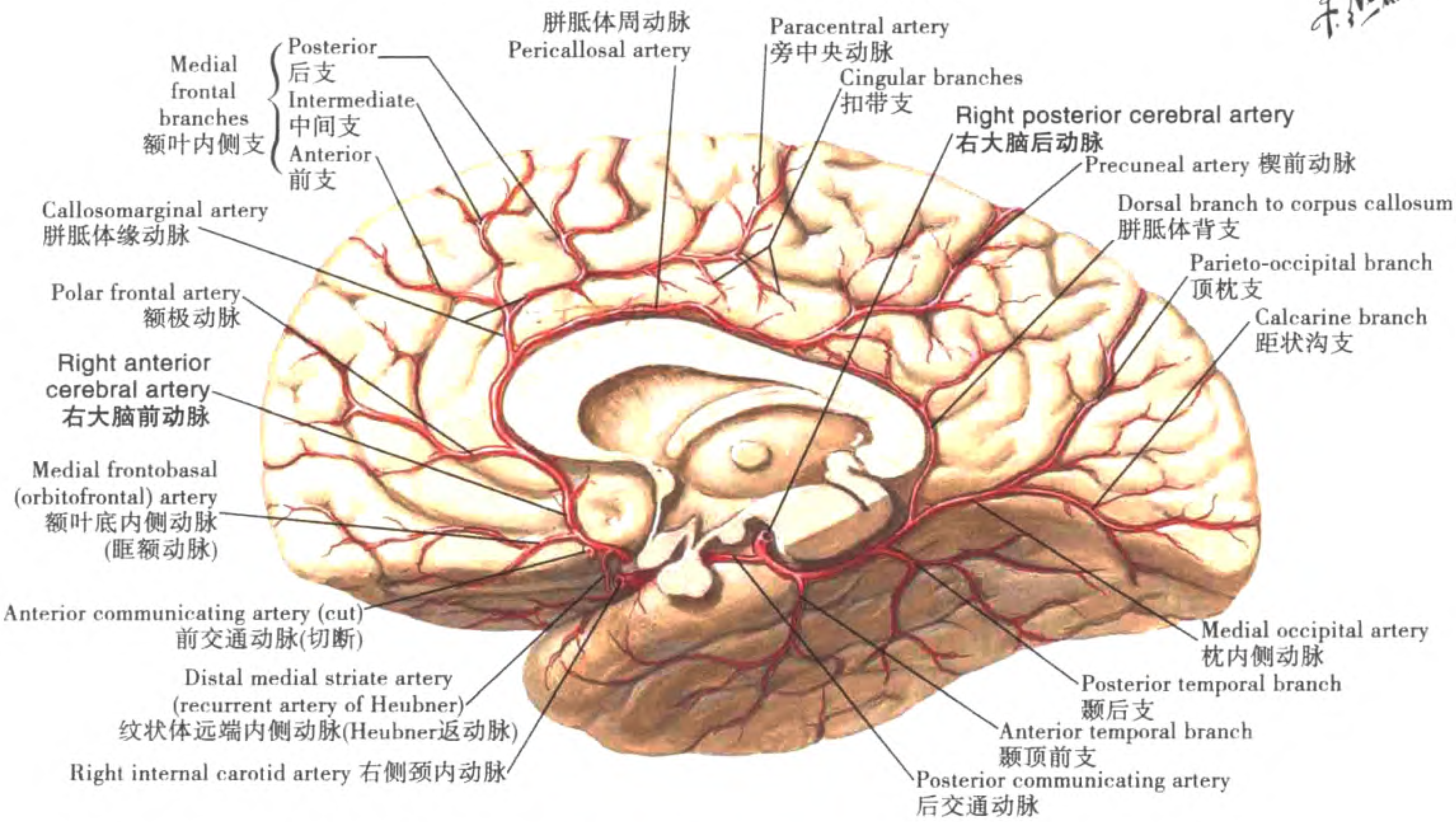
垂体动脉参见图 149


Vessels dissected out:inferior view
分离出的血管:下面观
Distal medial striate artery
(recurrent artery of Heubner)
纹状体远端内侧动脉(Heubner返动脉)
Anterior cerebral artery (A_2 segment)
大脑前动脉(A_2段)
Anteromedial central (perforating) arteries
前内侧中央(穿)动脉
Anterior communicating artery 前交通动脉
Hypothalamic artery
下丘脑动脉
Anterior cerebral artery(A_1 segment)
大脑前动脉(A_1段)
Anterolateral central
(lenticulostriate)arteries
前外侧中央(豆纹)动脉
Ophthalmic artery 眼动脉
Internal carotid artery 颈内动脉
Middle cerebral artery 大脑中动脉
Superior hypophyseal artery
垂体上动脉
Inferior hypophyseal artery
垂体下动脉
Posterior communicating artery 后交通动脉
Anterior choroidal artery
脉络丛前动脉
Posterior cerebral artery 大脑后动脉
(P_2段) (P_2 segment)
(P_1段) (P_1 segment)
Thalamotuberal (premammillary) artery
丘脑结节(乳头体前)动脉
Posteromedial central (perforating) arteries
后内侧中央(穿)动脉
Superior cerebellar artery 小脑上动脉
Basilar artery 基底动脉
Thalamoperforating artery 丘脑穿动脉
Pontine arteries 脑桥动脉
Posteromedial central (paramedian) arteries
后内侧中央(旁正中)动脉
Anterior inferior cerebellar artery (AICA)
小脑下前动脉
Labyrinthine (internal acoustic) artery
迷路(内耳)动脉
Vertebral artery 椎动脉

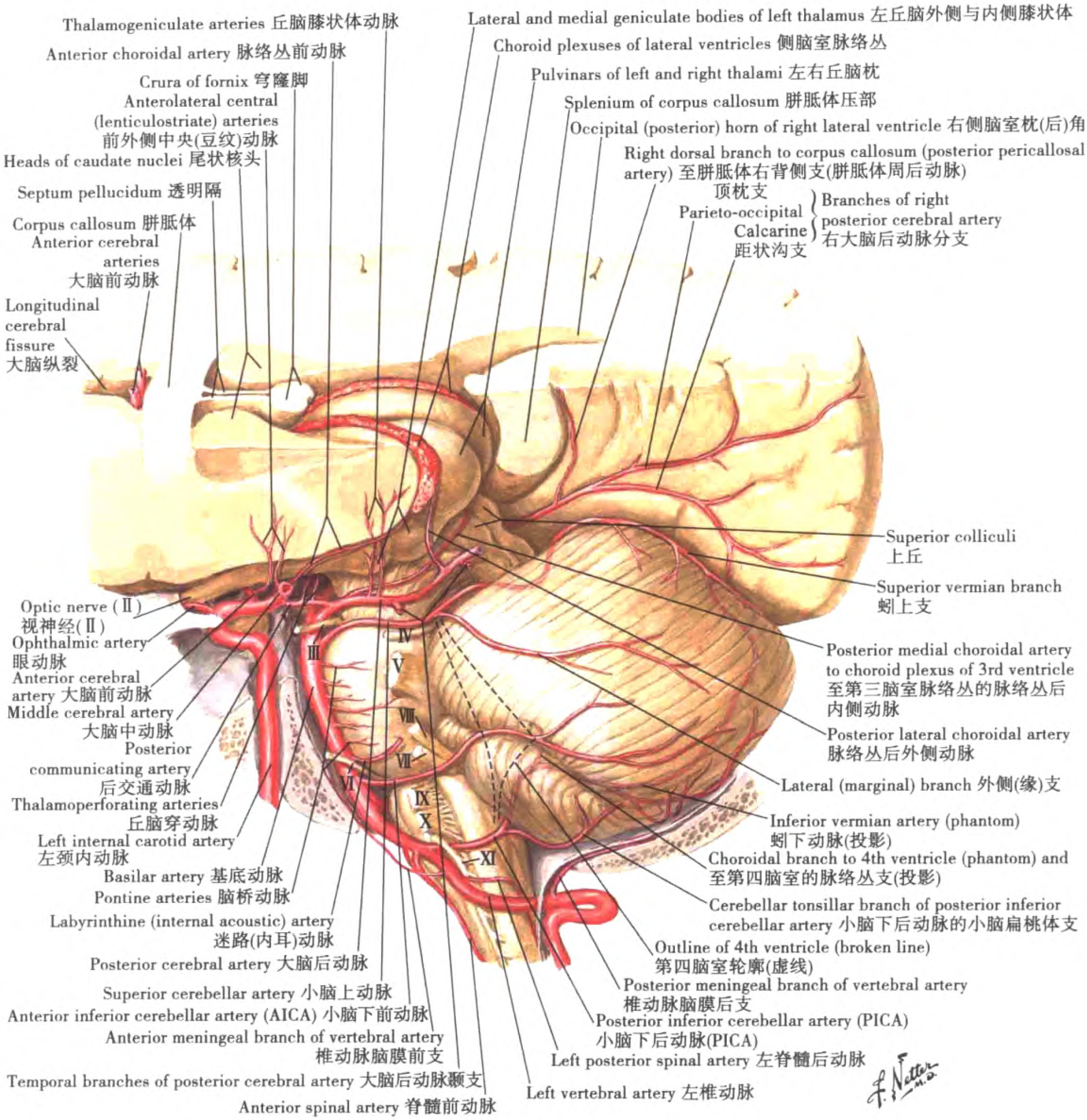

Vessels in situ: inferior view
原位血管：下面观
Anterior cerebral artery 大脑前动脉
Anterior communicating artery 前交通动脉
Hypothalamic artery 下丘脑动脉
Optic chiasm 视交叉
Cavernous sinus 海绵窦
Internal carotid artery 颈内动脉
Infundibulum (pituitary stalk)
and long hypophyseal portal veins
漏斗(垂体柄)与垂体门静脉
Superior hypophyseal artery
垂体上动脉
Adenohypophysis (anterior
lobe of pituitary gland)
腺垂体(垂体前叶)
Middle cerebral artery 大脑中动脉
Inferior hypophyseal artery
垂体下动脉
Neurohypophysis (posterior
lobe of pituitary gland)
神经垂体(垂体后叶)
Posterior communicating artery 后交通动脉
Posteromedial central (perforating) arteries
后内侧中央(穿)动脉
Efferent hypophyseal veins 垂体引流静脉
小脑上动脉 Superior cerebellar artery
Posterior cerebral artery 大脑后动脉
基底动脉 Basilar artery
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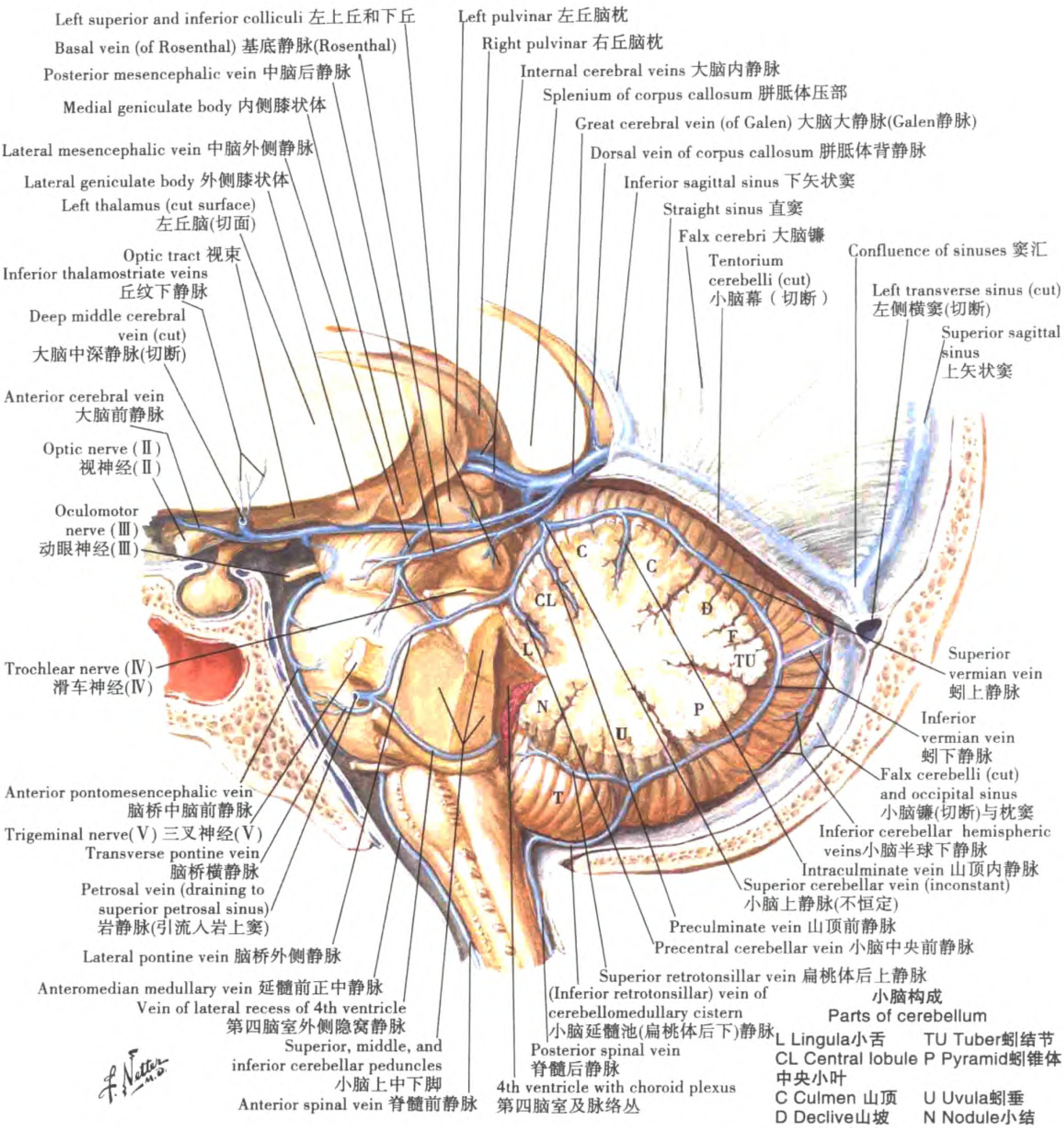

Corpus callosum 胼胝体
Anterolateral central (lenticulostriate) arteries 前外侧中央（豆纹）动脉
Lateral frontobasal (orbitofrontal) artery 额叶底外侧动脉(眶额动脉)
Prefrontal artery 额叶前动脉
Precentral (pre-rolandic) and central (rolandic) sulcal arteries 中央前沟与中央沟动脉
Anterior parietal (postcentral sulcal) artery 顶叶前(中央后沟)动脉
Posterior parietal artery 顶叶后动脉
Branch to angular gyrus 角回支
Temporal branches(anterior, middle,and posterior) 颞叶(前、中、后)动脉
Middle cerebral artery and branches (deep in lateral cerebral [sylvian] sulcus)
大脑中动脉及其分支(大脑外侧【sylvian】沟深部)
Anterior communicating artery 前交通动脉
Posterior communicating artery 后交通动脉
Anterior inferior cerebellar artery (AICA) 小脑下前动脉
Posterior spinal artery 脊髓后动脉
Paracentral artery 旁中央动脉
Medial frontal branches 额叶内侧动脉
Pericallosal artery 胼胝体周动脉
Callosomarginal artery 胼胝体缘动脉
Polar frontal artery 额极动脉
Anterior cerebral arteries
大脑前动脉
Medial frontobasal (orbitofrontal) artery 额叶底内侧动脉(眶额动脉)
Distal medial striate artery (recurrent artery of Heubner) 纹状体远端内侧动脉 (Heubner返动脉)
Internal carotid artery 颈内动脉
Anterior choroidal artery 脉络丛前动脉
Posterior cerebral artery
大脑后动脉
Superior cerebellar artery 小脑上动脉
Basilar and pontine arteries 基底与脑桥动脉
Labyrinthine (internal acoustic) artery 迷路(内耳)动脉
Vertebral artery 椎动脉
Posterior inferior cerebellar artery (PICA) 小脑下后动脉
Anterior spinal artery 脊髓前动脉
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Corpus striatum (caudate and lentiform nuclei) 纹状体(尾状核与豆状核)
Anterolateral central (lenticulostriate) arteries 前外侧中央(豆纹)动脉
Insula (island of Reil) 岛叶(reil岛)
Precentral (pre-rolandic), central (rolandic) sulcal, and parietal arteries 中央前沟动脉、中央沟动脉与顶叶动脉
Lateral cerebral (sylvian) sulcus 脑外侧沟(Sylvian沟)
Temporal branches of middle cerebral artery 大脑中动脉颞支
Temporal lobe 颞叶
Middle cerebral artery 大脑中动脉
Internal carotid artery 颈内动脉
Falx cerebri 大脑镰
Callosomarginal arteries 胼胝体缘动脉
Pericallosal arteries (branches of anterior cerbral arteries) 胼胝体周动脉(大脑前动脉分支)
Trunk of corpus callosum 胼胝体干
Internal capsule 内囊
Septum pellucidum 透明隔
Rostrum of corpus callosum 胼胝体嘴
Anterior cerebral arteries
大脑前动脉
Distal medial striate artery (recurrent artery of Heubner) 纹状体远端内侧动脉(Heubner返动脉)
Anterior communicating artery 前交通动脉
Optic chiasm 视交叉





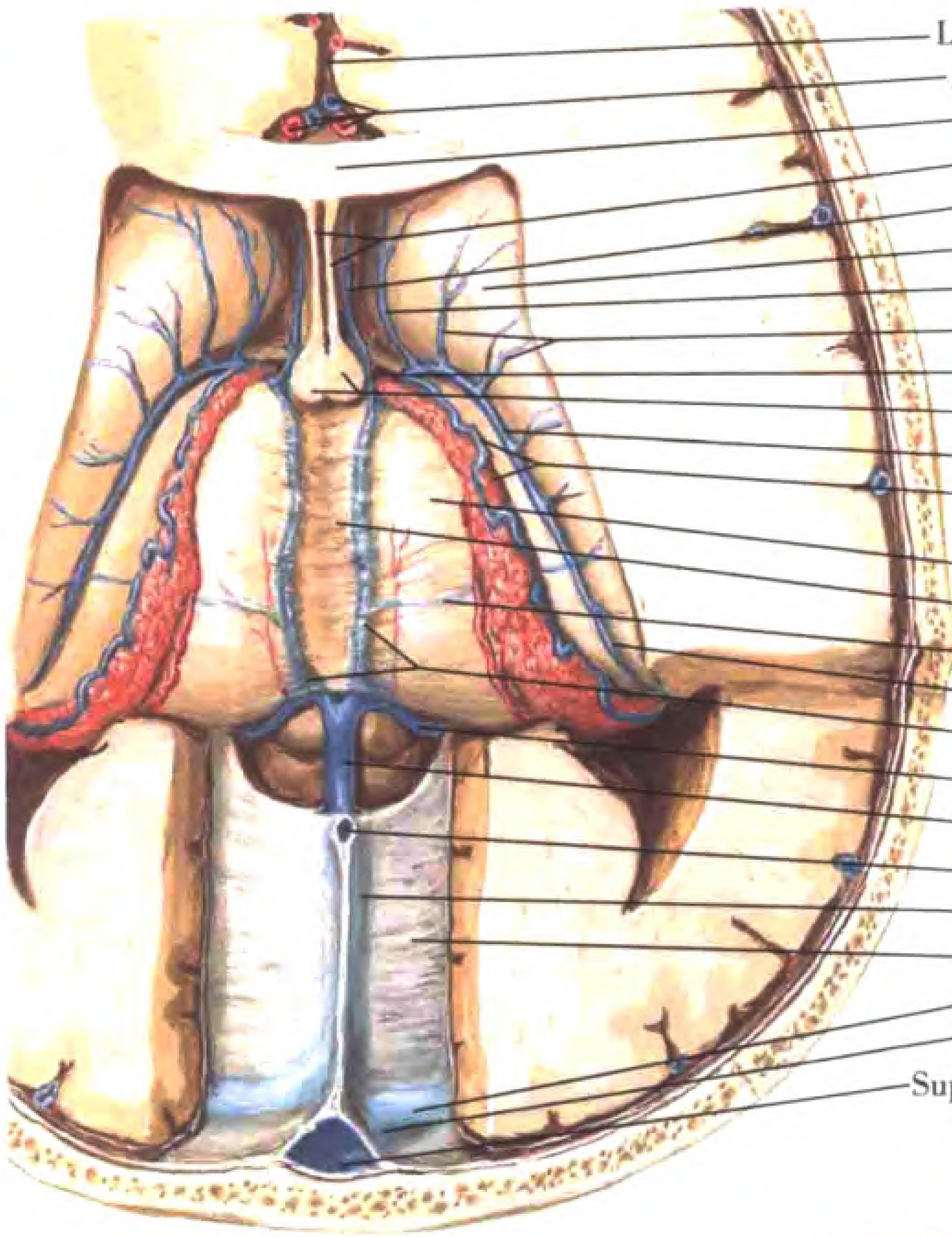
*Note: Anterior parietal (postcentral sulcal) artery also occurs as separate anterior parietal and postcentral sulcal arteries.
注：顶叶前(中央后沟)动脉也可以单独的顶前动脉和中央后沟动脉出现


Thalamogeniculate arteries 丘脑膝状体动脉
Anterior choroidal artery 脉络丛前动脉
Crura of fornix 穹窿脚
Anterolateral central (lenticulostriate) arteries 前外侧中央(豆纹)动脉
Heads of caudate nuclei 尾状核头
Septum pellucidum 透明隔
Corpus callosum 胼胝体
Anterior cerebral arteries 大脑前动脉
Longitudinal cerebral fissure 大脑纵裂
Optic nerve (Ⅱ) 视神经(Ⅱ)
Ophthalmic artery 眼动脉
Anterior cerebral artery 大脑前动脉
Middle cerebral artery 大脑中动脉
Posterior communicating artery 后交通动脉
Thalamoperforating arteries 丘脑穿动脉
Left internal carotid artery 左颈内动脉
Basilar artery 基底动脉
Pontine arteries 脑桥动脉
Labyrinthine (internal acoustic) artery 迷路(内耳)动脉
Posterior cerebral artery 大脑后动脉
Superior cerebellar artery 小脑上动脉
Anterior inferior cerebellar artery (AICA) 小脑下前动脉
Anterior meningeal branch of vertebral artery 椎动脉脑膜前支
Temporal branches of posterior cerebral artery 大脑后动脉颞支
Anterior spinal artery 脊髓前动脉
Lateral and medial geniculate bodies of left thalamus 左丘脑外侧与内侧膝状体
Choroid plexuses of lateral ventricles 侧脑室脉络丛
Pulvinars of left and right thalami 左右丘脑枕
Splenium of corpus callosum 胼胝体压部
Occipital (posterior) horn of right lateral ventricle 右侧脑室枕(后)角
Right dorsal branch to corpus callosum (posterior pericallosal artery) 至胼胝体右背侧支(胼胝体周后动脉)
顶枕支
Parieto-occipital
Calcarine
距状沟支
Branches of right posterior cerebral artery 右大脑后动脉分支
Superior colliculi 上丘
Superior vermian branch 蚓上支
Posterior medial choroidal artery to choroid plexus of 3rd ventricle 至第三脑室脉络丛的脉络丛后内侧动脉
Posterior lateral choroidal artery 脉络丛后外侧动脉
Lateral (marginal) branch 外侧(缘)支
Inferior vermian artery (phantom) 蚓下动脉(投影)
Choroidal branch to 4th ventricle (phantom) and 至第四脑室的脉络丛支(投影)
Cerebellar tonsillar branch of posterior inferior cerebellar artery 小脑下后动脉的小脑扁桃体支
Outline of 4th ventricle (broken line) 第四脑室轮廓(虚线)
Posterior meningeal branch of vertebral artery 椎动脉脑膜后支
Posterior inferior cerebellar artery (PICA) 小脑下后动脉(PICA)
Left posterior spinal artery 左脊髓后动脉
Left vertebral artery 左椎动脉
Ⅲ
Ⅳ
Ⅴ
Ⅵ
Ⅶ
Ⅷ
Ⅸ
Ⅹ
Ⅺ

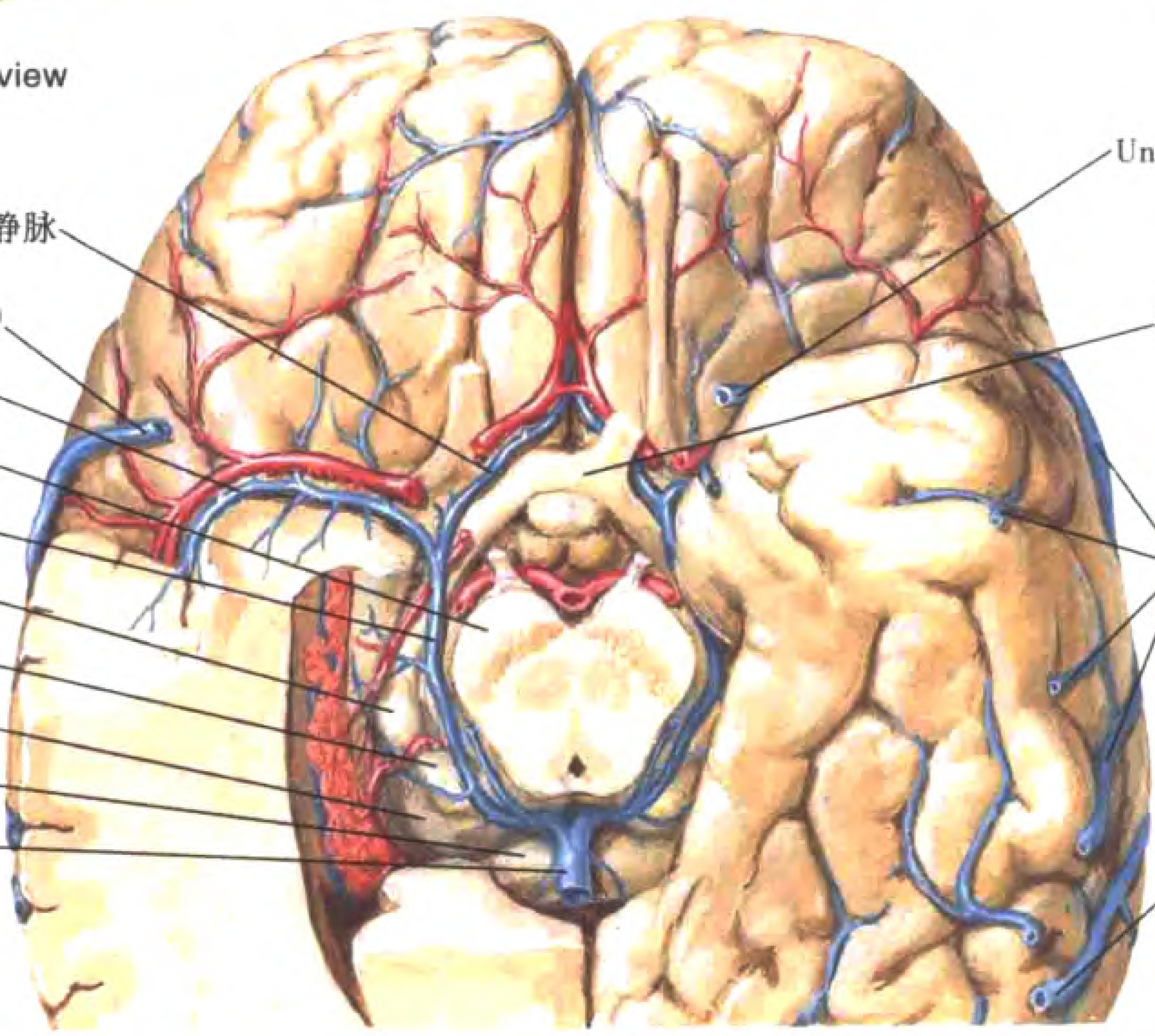


小脑构成
Parts of cerebellum

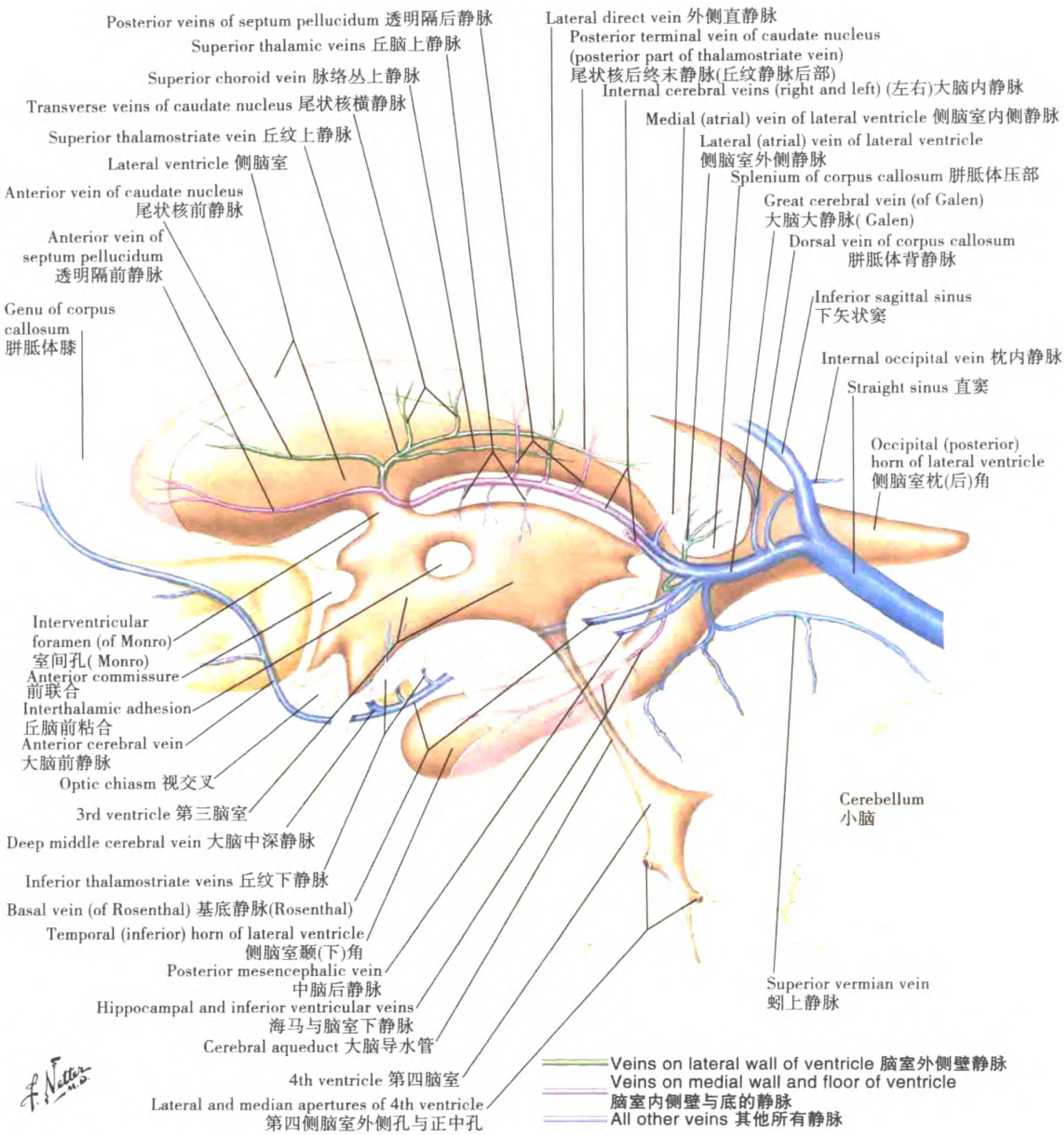
L Lingula小舌
CL Central lobule 中央小叶
C Culmen 山顶
D Declive山坡
F Folium蚓叶
TU Tuber蚓结节
P Pyramid蚓锥体
U Uvula蚓垂
N Nodule小结
T Tonsil扁桃体



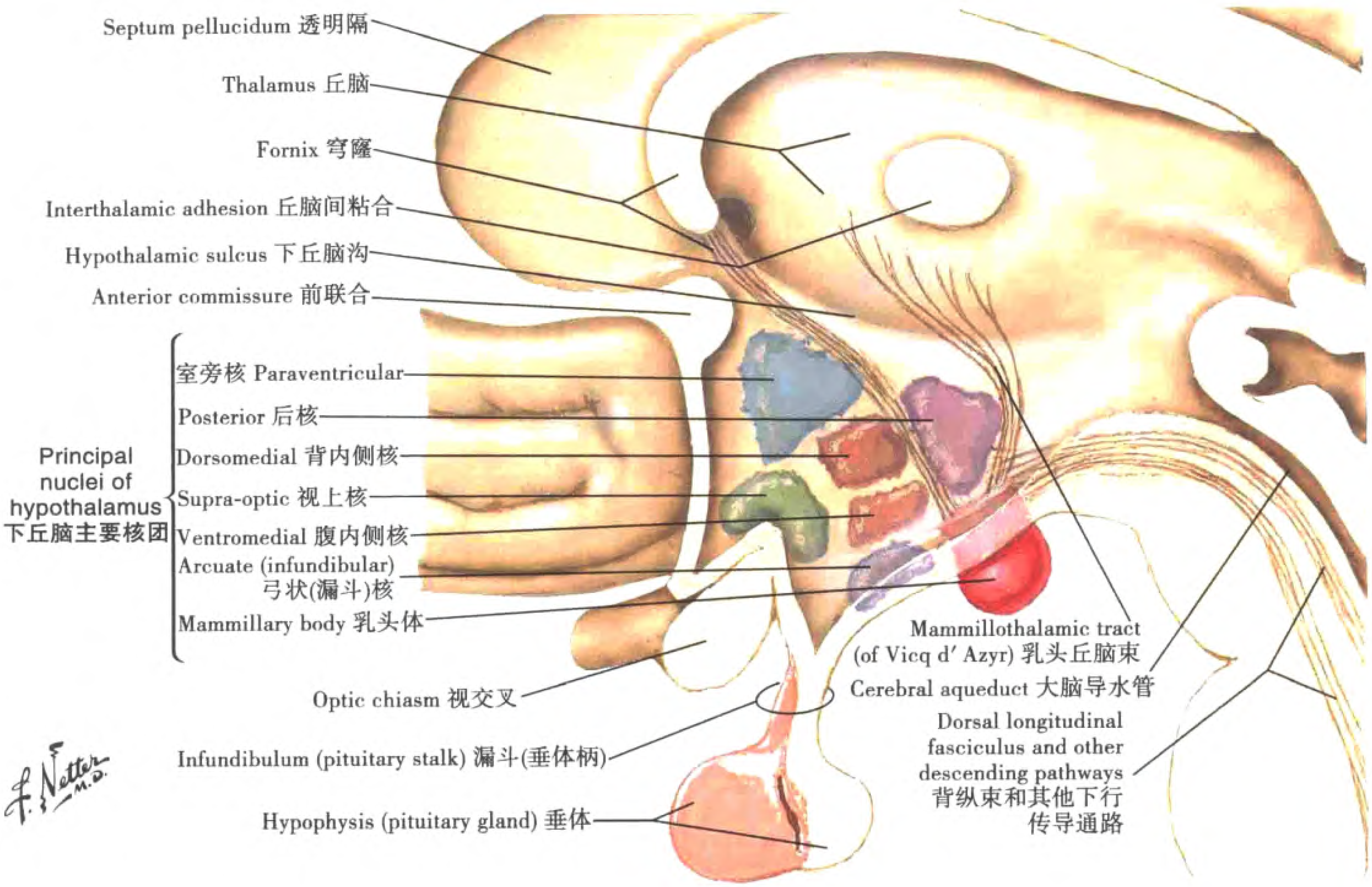
Dissection:superior view
剖面:上面观

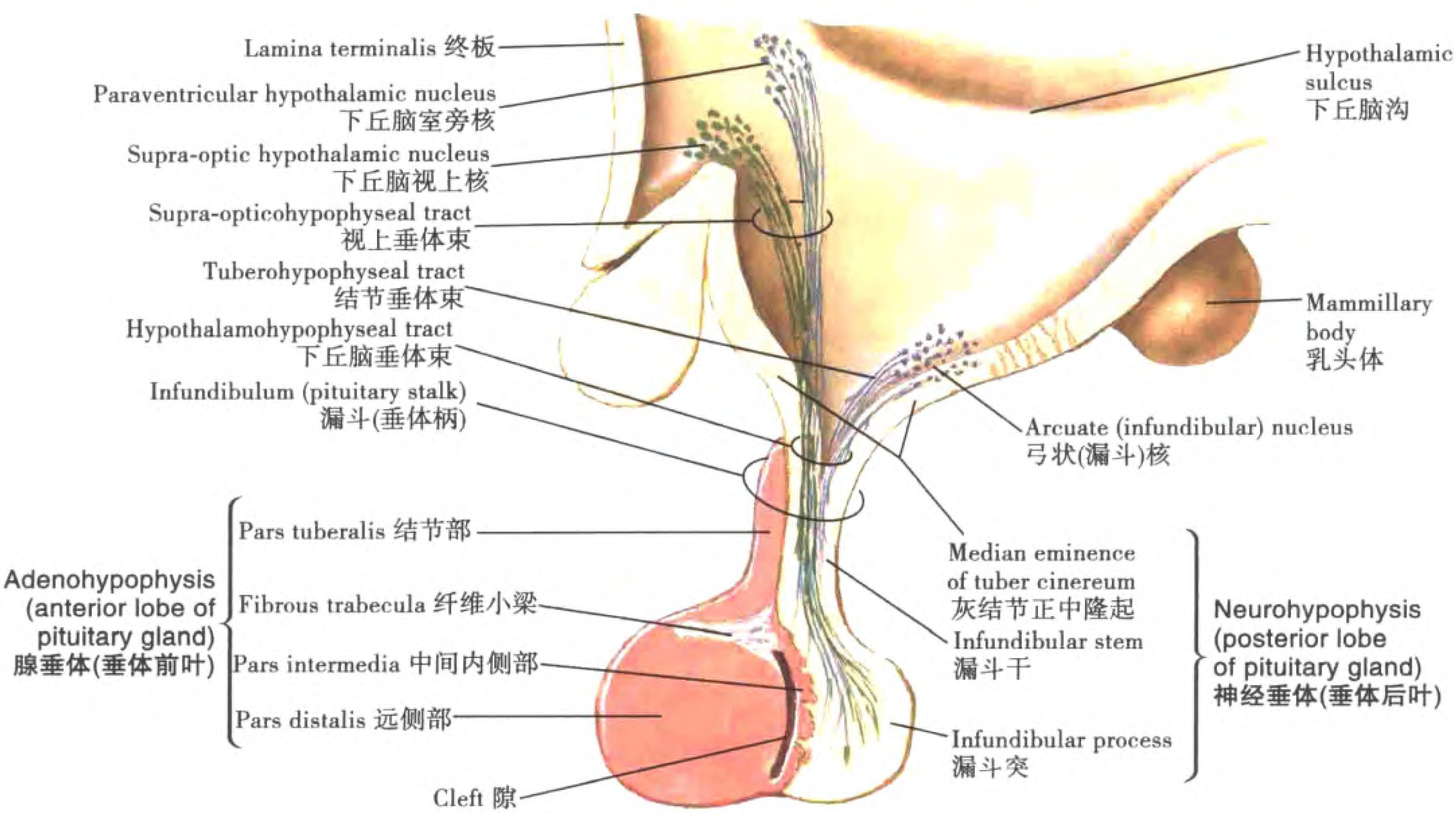


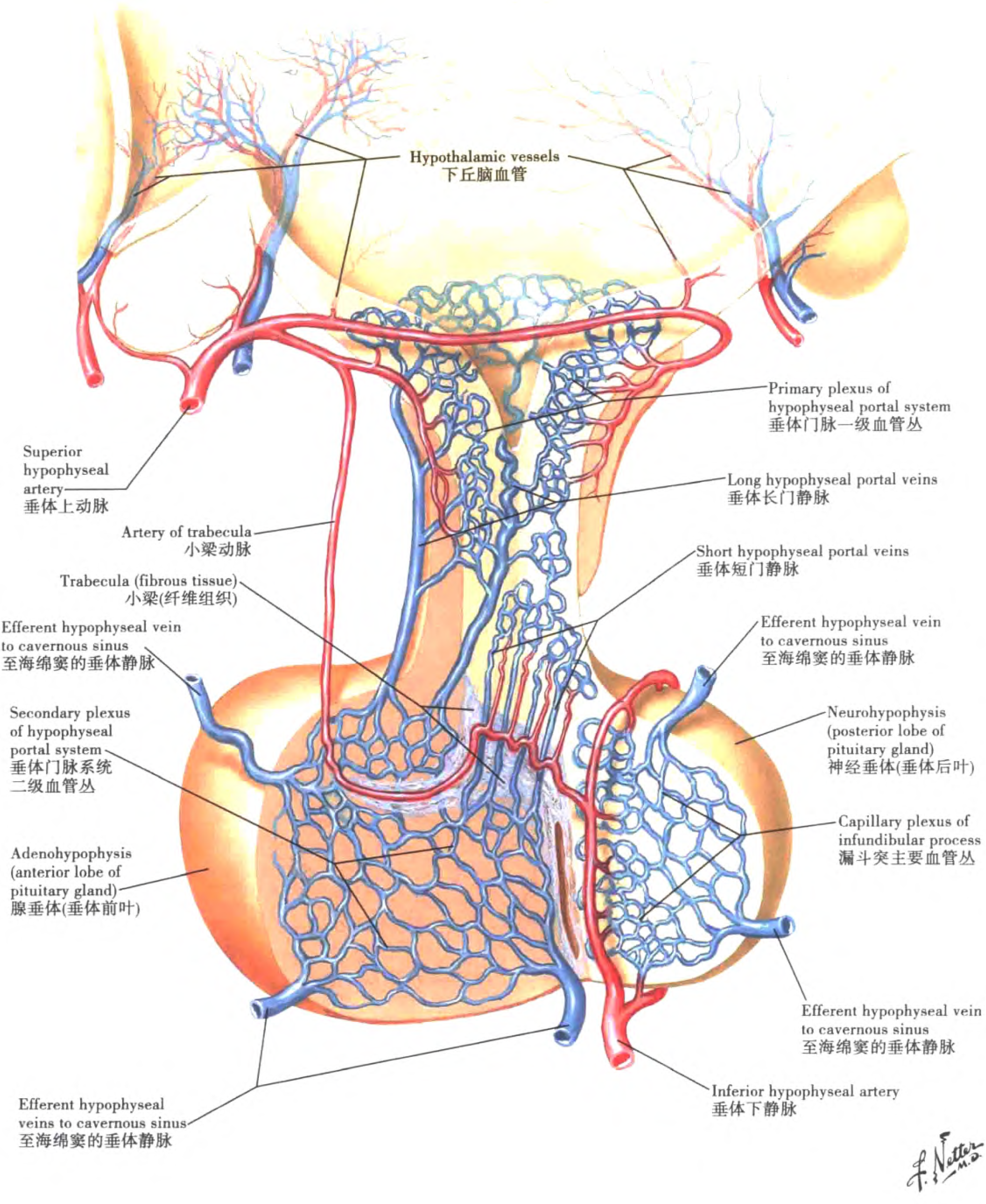
Dissection:inferior view
剖面:下面观



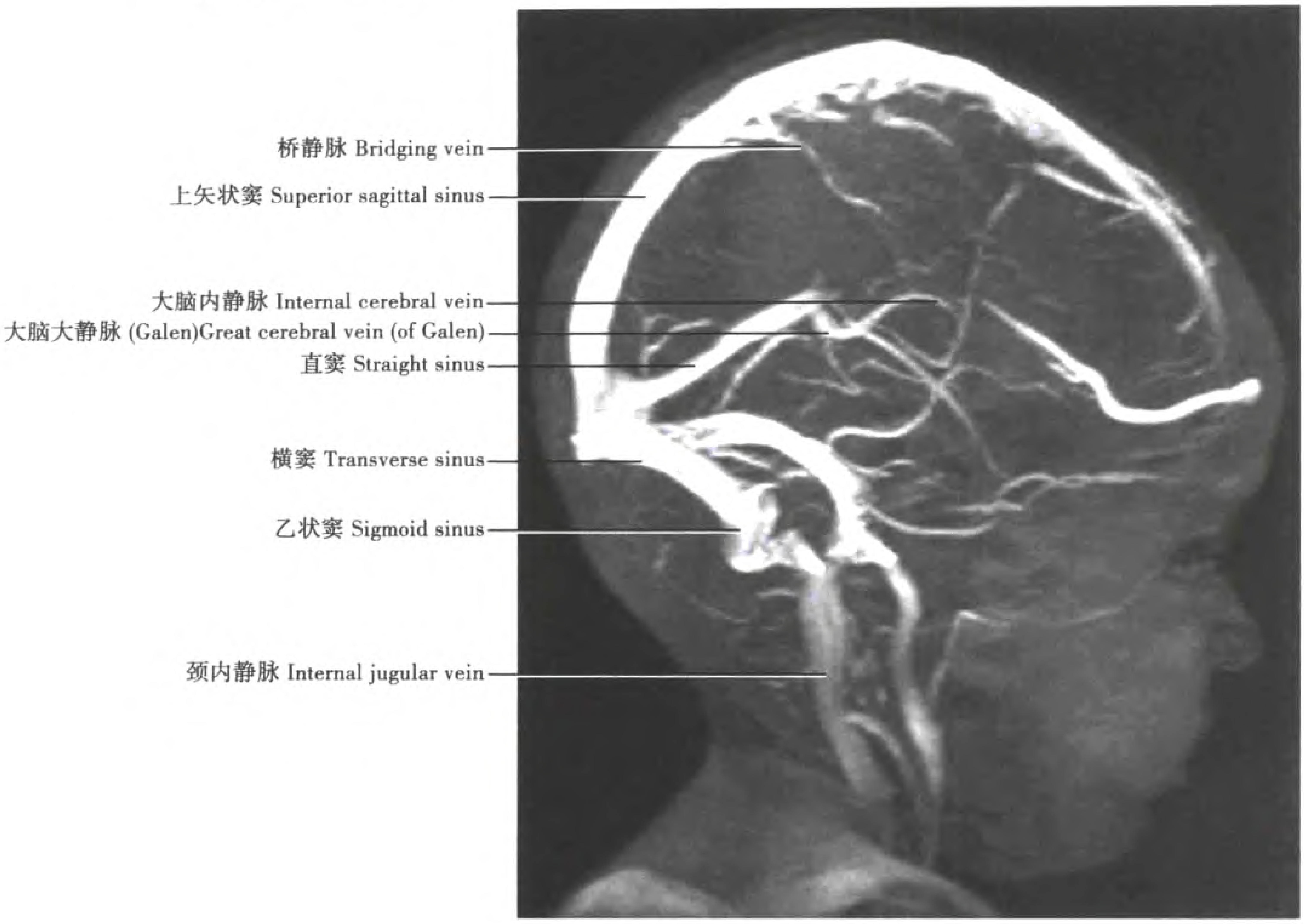
Posterior veins of septum pellucidum 透明隔后静脉
Superior thalamic veins 丘脑上静脉
Superior choroid vein 脉络丛上静脉
Transverse veins of caudate nucleus 尾状核横静脉
Superior thalamostriate vein 丘纹上静脉
Lateral ventricle 侧脑室
Anterior vein of caudate nucleus 尾状核前静脉
Anterior vein of septum pellucidum 透明隔前静脉
Genu of corpus callosum 胼胝体膝
Lateral direct vein 外侧直静脉
Posterior terminal vein of caudate nucleus (posterior part of thalamostriate vein) 尾状核后终末静脉(丘纹静脉后部)
Internal cerebral veins (right and left) (左右)大脑内静脉
Medial (atrial) vein of lateral ventricle 侧脑室内侧静脉
Lateral (atrial) vein of lateral ventricle 侧脑室外侧静脉
Splenium of corpus callosum 胼胝体压部
Great cerebral vein (of Galen) 大脑大静脉(Galen)
Dorsal vein of corpus callosum 胼胝体背静脉
Inferior sagittal sinus 下矢状窦
Internal occipital vein 枕内静脉
Straight sinus 直窦
Occipital (posterior) horn of lateral ventricle 侧脑室枕(后)角
Interventricular foramen (of Monro) 室间孔(Monro)
Anterior commissure 前联合
Interthalamic adhesion 丘脑前粘合
Anterior cerebral vein 大脑前静脉
Optic chiasm 视交叉
3rd ventricle 第三脑室
Deep middle cerebral vein 大脑中深静脉
Inferior thalamostriate veins 丘纹下静脉
Basal vein (of Rosenthal) 基底静脉(Rosenthal)
Temporal (inferior) horn of lateral ventricle 侧脑室颞(下)角
Posterior mesencephalic vein 中脑后静脉
Hippocampal and inferior ventricular veins 海马与脑室下静脉
Cerebral aqueduct 大脑导水管
4th ventricle 第四脑室
Lateral and median apertures of 4th ventricle 第四侧脑室外侧孔与正中孔
Cerebellum 小脑
Superior vermian vein 蚓上静脉
Veins on lateral wall of ventricle 脑室外侧壁静脉
Veins on medial wall and floor of ventricle 脑室内侧壁与底的静脉
All other veins 其他所有静脉
F. Netter M.D.


Septum pellucidum 透明隔
Thalamus 丘脑
Fornix 穹窿
Interthalamic adhesion 丘脑间粘合
Hypothalamic sulcus 下丘脑沟
Anterior commissure 前联合
Principal nuclei of hypothalamus 下丘脑主要核团
室旁核 Paraventricular
Posterior 后核
Dorsomedial 背内侧核
Supra-optic 视上核
Ventromedial 腹内侧核
Arcuate (infundibular) 弓状(漏斗)核
Mammillary body 乳头体
Optic chiasm 视交叉
Infundibulum (pituitary stalk) 漏斗(垂体柄)
Hypophysis (pituitary gland) 垂体
Mammillothalamic tract (of Vicq d' Azyr) 乳头丘脑束
Cerebral aqueduct 大脑导水管
Dorsal longitudinal fasciculus and other descending pathways 背纵束和其他下行传导通路
F. Netter M.D.


Lamina terminalis 终板
Paraventricular hypothalamic nucleus 下丘脑室旁核
Supra-optic hypothalamic nucleus 下丘脑视上核
Supra-opticohypophyseal tract 视上垂体束
Tuberohypophyseal tract 结节垂体束
Hypothalamohypophyseal tract 下丘脑垂体束
Infundibulum (pituitary stalk) 漏斗(垂体柄)
Adenohypophysis (anterior lobe of pituitary gland) 腺垂体(垂体前叶)
Pars tuberalis 结节部
Fibrous trabecula 纤维小梁
Pars intermedia 中间内侧部
Pars distalis 远侧部
Cleft 隙
Hypothalamic sulcus 下丘脑沟
Mammillary body 乳头体
Arcuate (infundibular) nucleus 弓状(漏斗)核
Median eminence of tuber cinereum 灰结节正中隆起
Infundibular stem 漏斗干
Infundibular process 漏斗突
Neurohypophysis (posterior lobe of pituitary gland) 神经垂体(垂体后叶)


Hypothalamic vessels
下丘脑血管
Primary plexus of hypophyseal portal system
垂体门脉一级血管丛
Superior hypophyseal artery
垂体上动脉
Long hypophyseal portal veins
垂体长门静脉
Artery of trabecula
小梁动脉
Short hypophyseal portal veins
垂体短门静脉
Trabecula (fibrous tissue)
小梁(纤维组织)
Efferent hypophyseal vein to cavernous sinus
至海绵窦的垂体静脉
Efferent hypophyseal vein to cavernous sinus
至海绵窦的垂体静脉
Secondary plexus of hypophyseal portal system
垂体门脉系统二级血管丛
Neurohypophysis (posterior lobe of pituitary gland)
神经垂体(垂体后叶)
Capillary plexus of infundibular process
漏斗突主要血管丛
Adenohypophysis (anterior lobe of pituitary gland)
腺垂体(垂体前叶)
Efferent hypophyseal vein to cavernous sinus
至海绵窦的垂体静脉
Inferior hypophyseal artery
垂体下静脉
Efferent hypophyseal veins to cavernous sinus
至海绵窦的垂体静脉
F. Netter M.D.

头部扫描（MRV和MRA）



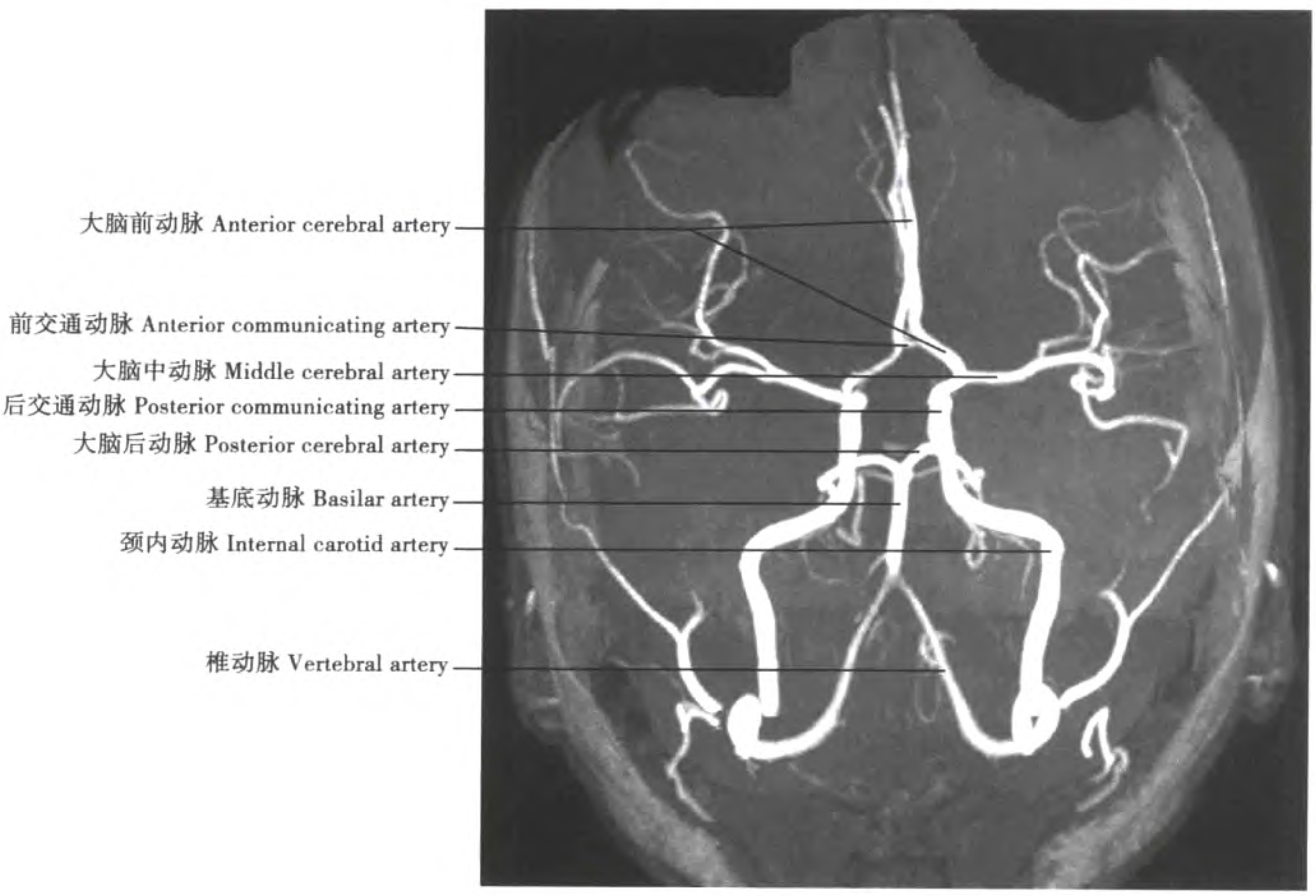


图 150 局部扫描

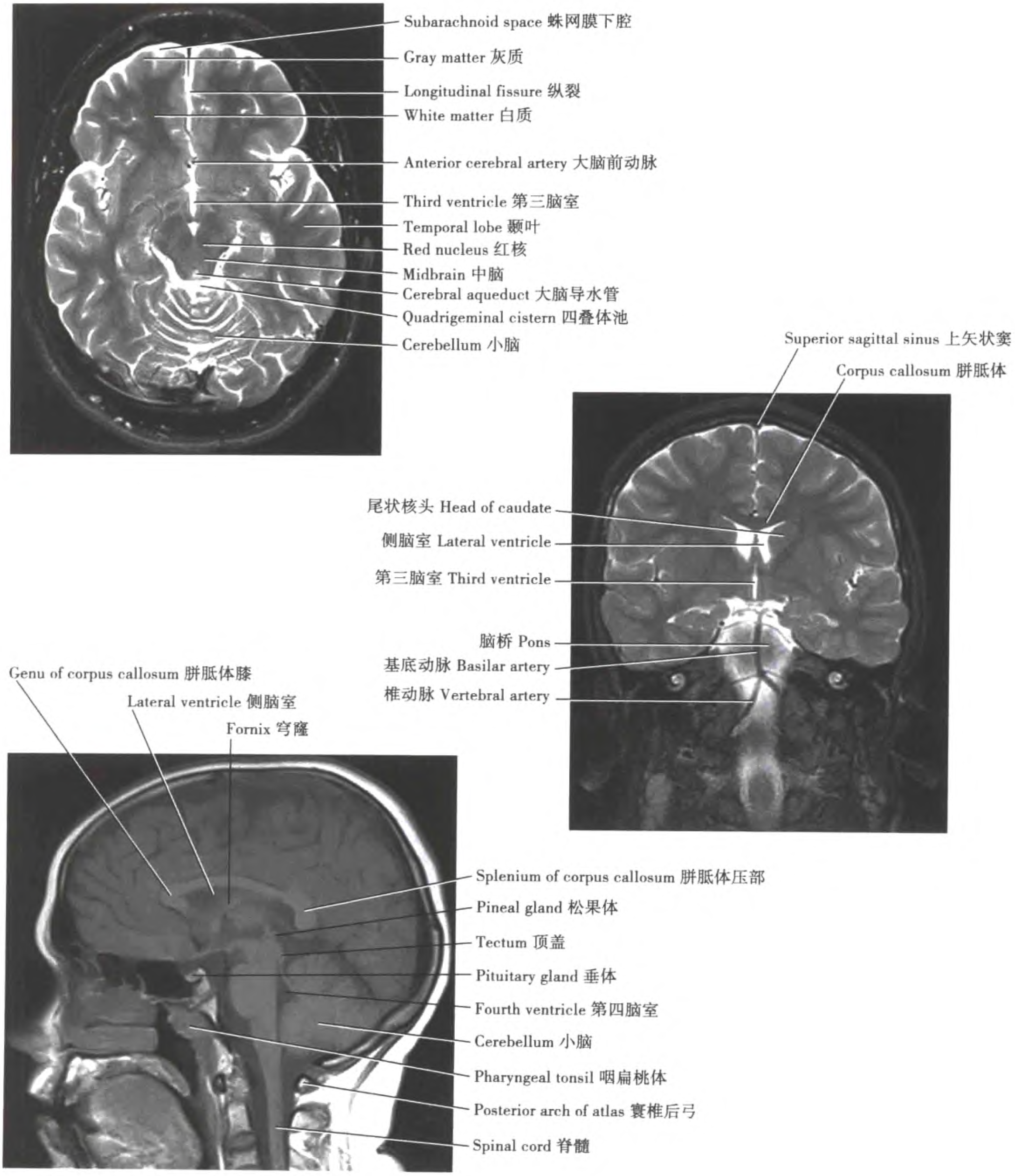

Subarachnoid space 蛛网膜下腔
Gray matter 灰质
Longitudinal fissure 纵裂
White matter 白质
Anterior cerebral artery 大脑前动脉
Third ventricle 第三脑室
Temporal lobe 颞叶
Red nucleus 红核
Midbrain 中脑
Cerebral aqueduct 大脑导水管
Quadrigeminal cistern 四叠体池
Cerebellum 小脑
Superior sagittal sinus 上矢状窦
Corpus callosum 胼胝体
尾状核头 Head of caudate
侧脑室 Lateral ventricle
第三脑室 Third ventricle
脑桥 Pons
基底动脉 Basilar artery
椎动脉 Vertebral artery
Genu of corpus callosum 胼胝体膝
Lateral ventricle 侧脑室
Fornix 穹窿
Splenium of corpus callosum 胼胝体压部
Pineal gland 松果体
Tectum 顶盖
Pituitary gland 垂体
Fourth ventricle 第四脑室
Cerebellum 小脑
Pharyngeal tonsil 咽扁桃体
Posterior arch of atlas 寰椎后弓
Spinal cord 脊髓

图 151 局部扫描

肌肉	近端附着（起点）	远端附着（止点）	神经支配	主要动作	血液供应	肌群
耳前肌	颞筋膜，颅顶腱膜	耳轮中部表面前方	面神经耳后支和颞支	提耳，使耳向前运动	耳后动脉耳支，颞浅动脉顶支	外耳
耳后肌	乳突底	耳廓颅面下方	面神经面后支和颞支	折耳，提耳	耳后动脉耳支，颞浅动脉顶支	外耳
耳上肌	颞筋膜，颅顶腱膜	耳廓颅面上方	面神经面后支和颞支	折耳，提耳	耳后动脉耳支，颞浅动脉顶支	外耳
颊肌	上颌骨牙槽突后部 磨牙对应的下颌颊面突起，翼突下颌缝前缘	口角	面神经颊支	收缩颊部 排出空气 辅助咀嚼	面动脉肌支 上颌动脉颊支	面部表情肌
睫状肌	角巩膜结合处	睫状体	睫状短神经副交感纤维	收缩睫状体使晶状体变凸	眼动脉	眼内肌
皱眉肌	眶上缘中部	眉中部皮肤	面神经颧支、颞支	降眉，产生皱纹	颞浅动脉颧支和前支	面部表情肌
环甲肌	环状软骨前部	甲状软骨及其前角前缘	喉上神经外侧支	延长和拉紧声带	甲状腺上、下动脉	喉
降口角肌	下颌斜线筋膜的延续	口角轮匝肌和皮肤	面神经下颌支和颧支	降口角	面动脉下唇支	面部表情肌
降下唇肌	下颌骨侧面结合处和颏孔之间，降口角肌下方	下唇皮肤，与口轮匝肌混合，中部纤维加入其反面	面神经下颌支和颊支	降下唇，使其拉向后方	面动脉下唇支	面部表情肌
降鼻中隔肌	上颌骨切牙孔	鼻中隔和鼻翼后部	面神经颧支和颊支	缩窄鼻孔，使鼻中隔下降	面动脉上唇支	面部表情肌
二腹肌	前腹：下颌骨二腹肌窝 后腹：颞骨乳突切迹	中间腱附着于舌骨体	前腹：下颌舌骨肌神经 后腹：面神经	抬舌骨和舌底，固定舌骨，通过降下颌张口	前腹：颏下动脉分支 后腹：耳后动脉肌支，枕动脉肌支	舌骨上群
瞳孔开大肌	虹膜辐射纤维	与瞳孔括约肌融合	来源于SCG的交感神经	扩大瞳孔	眼动脉	眼内肌
枕额肌额腹	颅顶腱膜冠状缝水平	额部皮肤，颅顶腱膜	面神经颞支	前额产生皱纹，提眉	颞浅动脉额支	面部表情肌

脊神经分布、血液供应、附着点和肌肉功能的变异在解剖学中十分常见，故教科书之间预料范围内的不同和解剖变异是十分普遍的。

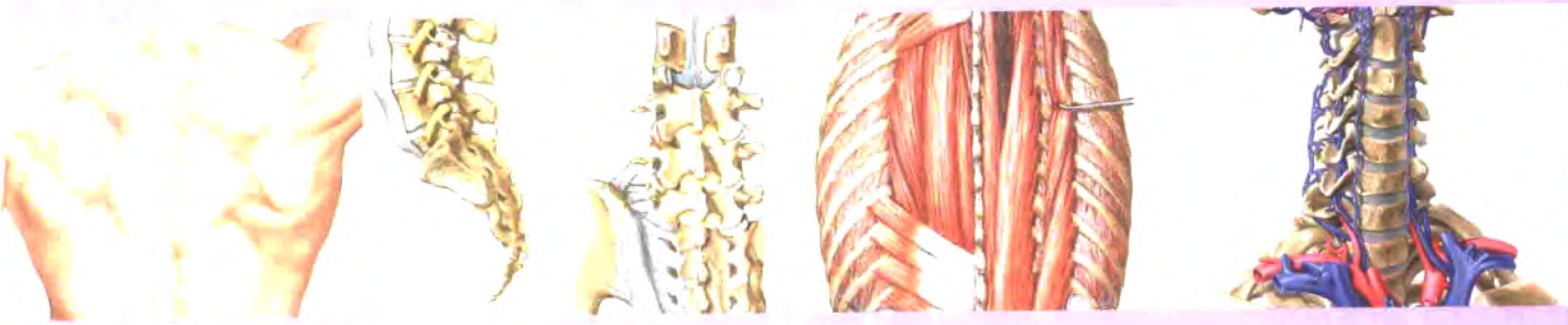
肌肉	近端附着 （起点）	远端附着 （止点）	神经分布	主要动作	血液供应	肌群
颏舌肌	上颌骨颏棘	舌背、舌骨	舌下神经	降舌伸舌	舌下、颏下动脉	舌外肌
颏舌骨肌	下颌骨后部结合处颏管下部	舌骨体前表面	C1 穿过舌下神经部分	升舌骨降下颌	舌动脉舌下支	舌骨下群
舌下肌	舌骨体和大角	舌侧缘和下面	舌下神经	降舌缩舌	舌下、颏下动脉	舌外肌
舌下纵肌	舌下表面颏舌肌和舌骨舌肌之间	舌尖与茎突舌肌混合	舌下神经	缩舌和转舌	舌动脉舌深支 面动脉分支	舌外肌
下斜肌	眶侧壁鼻泪管前层	外侧巩膜外直肌深方	动眼神经下支	外展提升和侧旋眼球	眼动脉	眼外肌
咽下缩肌	甲状软骨斜线和环状软骨	咽中缝	迷走神经通过咽丛的部分	吞咽时收缩咽壁	咽升动脉，甲状腺上动脉分支	环咽肌
下直肌	总腱环	眼球下表面，角巩膜结合处后方	动眼神经下支	下降、外展和侧旋眼球	眼动脉	眼外肌
环杓侧肌	环状软骨弓	杓状软骨肌突	喉返神经	外展声带	甲状腺上、下动脉	喉肌
翼外肌	上头：蝶骨大翼颞下表面 下头：翼突外侧板	翼状窝，颞下颌关节囊，关节盘	下颌神经前支肌支	双侧：前伸下颌骨 单侧可选择：产生侧位磨动	上颌动脉肌支	咀嚼肌
外直肌	总腱环	眼球外侧面，角巩膜结合处后方	外展神经	使眼球外展	眼动脉	眼外肌
提口角肌	眶下孔下部上颌骨尖牙窝，提上唇肌颧头下方	口角，纤维与口轮匝肌、降口角肌和颧肌融合	面神经颧支和颊支	升口角	面动脉上唇支	面部表情肌
提上唇鼻翼肌	嘴角头：上颌骨额突上部 眶下头：眶下孔上部的眶 颧头：颧骨颧面	嘴角头：进入大翼软骨，鼻部皮肤和上唇侧面 眶下头：进入上唇嘴角头与尖牙肌之间的肌部 颧头：进入鼻唇沟和上唇的皮肤	面神经颧支和颊支	嘴角头：提嘴角扩张鼻孔 眶下头：提嘴角 颧头：提上唇侧部	面动脉上唇支和口角支	面部表情肌

肌肉	近端附着（起点）	远端附着（止点）	神经分布	主要动作	血液供应	肌群
提上唇肌	上颌眶下孔上部	上唇皮肤	面神经颧支和颊支	提上唇，扩张鼻孔	上唇动脉和面动脉口角支	面部表情肌
上睑提肌	蝶骨小翼，视神经管前部	上睑板	动眼神经上支	提上睑	眼动脉	眼外肌，眼睑
腭帆提肌	颞骨岩部	腭部腱膜	迷走神经通过咽丛部分	吞咽时提软腭	面动脉腭升支，上颌动脉腭降支	腭肌
头长肌	C3～C6横突前结节	枕骨基底部下表面	颈神经C1～C4腹支	屈、辅助旋转头颈	甲状腺下动脉颈升支，喉升动脉、椎动脉肌支	椎前肌
颈长肌	脊椎部分：C5～T3 下斜部分：T1～T3椎体 上斜部分：C3～C5横突前结节	脊椎部分：进入C2～C4 下斜部分：C5～C6横突前结节 上斜部分：寰椎前弓结节	C2～C8颈神经干	双侧：屈、辅助旋转头颈 单侧：侧屈脊柱	咽升动脉脊前支，颈升和椎动脉肌支	椎前肌
咬肌	颧弓	下颌髁突支	下颌神经通过咬肌神经	抬升、前伸下颌，深部纤维后移下颌	面横动脉 上颌和面动脉咬肌支	咀嚼肌
翼内肌	翼突外侧板中间部，腭骨锥突，上颌结节	上颌支上颌角中间部下颌孔下部	下颌神经	双侧：前伸和抬升下颌 单侧可选择：产生侧向运动	面和上颌动脉	咀嚼肌
内直肌	总腱环	眼球中间部角巩膜结合处后部	动眼神经下支	外展眼球	眼动脉	眼外肌
颏肌	下颌切牙孔	颏部皮肤	下颌神经	提，前伸下唇	面动脉下唇支	面部表情肌
咽中缩肌	茎突韧带和舌骨角	咽中缝	通过咽丛的迷走神经	吞咽时收缩咽壁	咽升动脉，面动脉腭升支和扁桃体支，舌动脉舌背分支	环咽肌
下颌舌骨肌	下颌骨下颌舌骨肌线	舌骨中缝和舌骨体	三叉神经分支	抬舌骨和口底，收下颌	舌动脉舌下支，面动脉颏下支	舌骨上群

肌肉	近端附着（起点）	远端附着（止点）	神经分布	主要动作	血液供应	肌群
鼻肌	上颌骨切牙孔两侧嵴状突起	鼻软骨腱膜	面神经颧支和颊支	使鼻翼向中线方向收缩、收缩鼻孔、鼻翼开大	面动脉上唇、鼻中隔、鼻外侧支	面部表情肌
枕额肌枕腹	上项线外侧 2/3 和乳突	枕部皮肤、帽状腱膜	面神经耳后支	将头皮向后方牵拉	耳后动脉枕支、枕动脉降支	面部表情肌
肩胛舌骨肌	下腹：肩胛骨上缘和肩胛下韧带，止于胸锁乳突肌下韧带 上腹：来源于此韧带	下腹：中间腱 上腹：舌骨体	颈袢	稳定、降舌骨	舌动脉舌骨支，甲状腺上动脉胸锁乳突肌支	舌骨下群
眼轮匝肌	眶缘中部，睑板，泪骨	眶周、睑板、上下眼睑的皮肤	面神经	闭眼	面动脉和颞浅动脉	面部表情肌
口轮匝肌	上颌骨切牙上部	唇周皮肤	面动脉颧支、颊支和下颌支	压紧、收缩和前伸唇	面动脉上下唇支	面部表情肌
腭舌肌	软腭筋膜	舌侧表面	通过咽丛的迷走神经	抬升舌后部，降腭	咽升动脉、面动脉和上颌动脉腭支	腭肌
腭咽肌	硬腭，上腭腱膜	咽侧壁	通过咽丛的迷走神经	紧张软腭，吞咽时使咽壁向上、前、中部集中	面动脉腭升支，上颌动脉额降支	纵向咽肌
颈阔肌	胸、锁骨上部皮肤	下颌、口部肌肉	面神经	紧张颈部皮肤	颏下和肩胛上动脉	面部表情肌
环杓后肌	环状软骨薄板后表面	杓状软骨肌突	喉返神经	外展声带	甲状腺上下动脉	喉肌
降眉间肌	鼻骨下部和鼻外侧软骨上部的筋膜	眉间和眉上皮肤	面动脉颞支、颧支	降眉内侧角，鼻梁部产生横向皱纹	面动脉口角和鼻外侧支	面部表情肌
头前直肌	寰椎侧块	枕骨底部枕骨大孔前方	C1 ~ C2 颈神经腹支	头屈	椎动脉肌支，咽升动脉	椎前肌
头外侧直肌	寰椎横突上表面	枕骨髁突下表面	C1 ~ C2 颈神经腹支	头侧屈向同侧	椎动脉肌支，枕动脉，咽升动脉	椎前肌
笑肌	咬肌表面筋膜延伸至颈阔肌	口角皮肤	面神经颧支、颊支	缩口角	面动脉上唇支	面部表情肌
咽鼓管咽肌	咽鼓管	咽侧壁	通过咽丛的迷走神经	吞咽、讲话时抬升咽和喉	咽升动脉咽支	纵向咽肌

肌肉	近端附着（起点）	远端附着（止点）	神经分布	主要动作	血液供应	肌群
前斜角肌	C3～C6 横突前结节	第一肋斜角肌结节	C5～C8 前支	抬第一肋，曲颈	甲状腺下动脉颈升支	椎前肌
中斜角肌	C2～C7 横突后结节	第一肋上表面（锁骨下钩后方）	C3～C7 前支	抬第一肋，曲颈	颈升动脉肌支	椎前肌
后斜角肌	C4～C6 横突后结节	第二肋外表面（前锯肌附着点后方）	下段颈神经前支	抬第二肋，曲颈	颈升动脉肌支，颈横动脉表浅分支	椎前肌
瞳孔括约肌	虹膜通过瞳孔的环状平滑肌	与瞳孔开大肌混合	通过动眼神经的副交感神经	收缩瞳孔	眼动脉	眼内肌
镫骨肌	颞骨锥突	镫骨	面神经	向后拉镫骨减轻鼓膜震荡	耳后、鼓膜前和中耳动脉	中耳
胸锁乳突肌	胸骨头：胸骨柄上表面 锁骨头：锁骨内 1/3 上表面	乳突外侧面，枕骨上项线外侧半	副神经	双侧：屈颈提胸 单侧：使头部转向对侧	甲状腺上动脉和枕动脉胸锁乳突肌支，肩胛上动脉肌支，耳后动脉枕支	颈部
胸骨舌骨肌	胸骨柄后表面、胸锁韧带后方、锁骨内侧面	舌骨体中段下缘	颈袢	降咽和舌骨，稳定舌骨	甲状腺上动脉胸锁乳突肌支和舌骨支，舌动脉舌骨支	舌骨下群
胸骨甲状肌	胸骨柄下表面胸骨舌骨肌后下方，第一肋软骨缘	甲状软骨薄板斜线	颈袢	降咽和甲状软骨	甲状腺上动脉环甲支	舌骨下群
茎突舌肌	茎突和茎突舌骨韧带	舌侧面和下表面	舌下神经	缩舌，吞咽时抬舌	舌下动脉	舌外肌
茎突舌骨肌	茎突后缘	舌骨体和大角衔接处	面神经	抬舌骨和舌背	面动脉、枕动脉肌支	舌骨上群
茎突咽肌	茎突内侧面	咽壁	舌咽神经	吞咽、说话时抬咽和喉	咽升动脉面动脉咽升支和扁桃体支，舌动脉背侧分支	纵向咽肌
锁骨下肌	第一肋及其软骨上缘	中 1/3 段锁骨下面	相关神经	固定和降锁骨	胸肩峰动脉锁骨支	颈部
舌上纵行肌	舌背黏膜下纤维	舌尖与对侧肌融合	舌咽神经	缩舌，使舌尖和侧缘上转	舌动脉舌深支，面动脉相应分支	舌内肌
上斜肌	蝶骨体视神经孔上部，上直肌起点内侧	通过滑车附着于上直肌和外直肌之间的巩膜上部	滑车神经	外展、下旋和内旋眼球	眼动脉	眼外肌

肌肉	近端附着（起点）	远端附着（止点）	神经分布	主要动作	血液供应	肌群
咽上缩肌	钩突、翼下颌缝、下颌骨下颌舌骨线	咽中缝	通过咽丛的迷走神经	吞咽过程中收缩咽壁	咽升动脉，面动脉腭升支和扁桃体支，舌动脉背部分支	环咽肌
上直肌	总腱环	眼球上表面，角巩膜结合处后部	动眼神经上支	上旋、外展和内旋眼球	眼动脉	眼外肌
颞肌	颞窝底，颞筋膜深方	上颌支及冠突	下颌神经，颞深神经	提下颌，后部纤维后移下颌	颞浅动脉、上颌动脉、前后颞深动脉	咬肌
鼓膜张肌	咽鼓管软骨	锤骨柄	下颌神经	牵引骨膜中间部使其紧张	上颌动脉发出的脑膜中动脉鼓膜上支	中耳
腭帆张肌	蝶骨内侧板舟状窝，蝶骨嵴，咽鼓管	腭骨腱膜	下颌神经	紧张软腭，吞咽和打哈欠时张大咽鼓管	面动脉腭升支，上颌动脉腭降支	腭肌
甲状杓状软骨肌	甲状软骨后表面	杓状软骨肌突	喉返神经	缩短和放松声带，使喉前庭缩小	甲状腺上下动脉	喉肌
甲状舌骨肌	甲状软骨薄板斜线	舌骨体和大角下缘	C1 通过舌咽神经的甲状腺支	降喉和舌骨，提甲状软骨	甲状腺上动脉舌支	舌骨下群
杓状横肌、斜肌	杓状软骨	对侧杓状软骨	喉返神经	关闭声门裂软骨部	甲状腺上下动脉	喉肌
舌横肌	舌中隔内侧纤维	舌背面和侧面	舌咽神经	缩窄和延长舌	舌动脉舌深支，面动脉分支	舌内肌
悬雍垂肌	鼻嵴，腭腱膜	悬雍垂黏膜	通过咽丛的迷走神经	缩短、提升和后移悬雍垂	面动脉腭升支，上颌动脉腭降支	腭肌
舌垂直肌	舌背侧和前部黏膜	舌背侧和下表面	舌下神经	使舌变宽变扁	舌动脉舌深支，面动脉分支	舌内肌
声带肌	杓状软骨声带突	声韧带	喉返神经	紧张前声韧带，放松后声韧带	甲状腺上下动脉	喉肌
颧大肌	颧弓	口角	面神经颧支及颊支	向后上牵拉口角	面动脉上唇支	面部表情肌
颧小肌	颧弓	口角、上唇	面神经颧支、颊支	提上唇	面动脉上唇支	面部表情肌



Section

2 背部和脊髓

局部解剖学

图 152

152 背部:体表解剖标志

骨和韧带

图 153-159

153 脊柱
154 胸椎
155 腰椎
156 脊椎:影像学
157 骶骨和尾骨
158 脊柱的韧带:腰骶部
158 脊柱韧带:腰部

脊髓

图 160-170

160 原位脊髓和脊神经前支
161 脊神经与脊柱的关系
162 皮节
163 交感神经系统:示意图
164 副交感神经系统:示意图
165 脊膜和神经根
166 脊神经起源:横切面
167 脊髓动脉:示意图
168 脊髓动脉:体内分布
169 脊髓和脊柱静脉
170 脊柱静脉:脊椎静脉

背部和脊髓

肌肉和神经

171-175

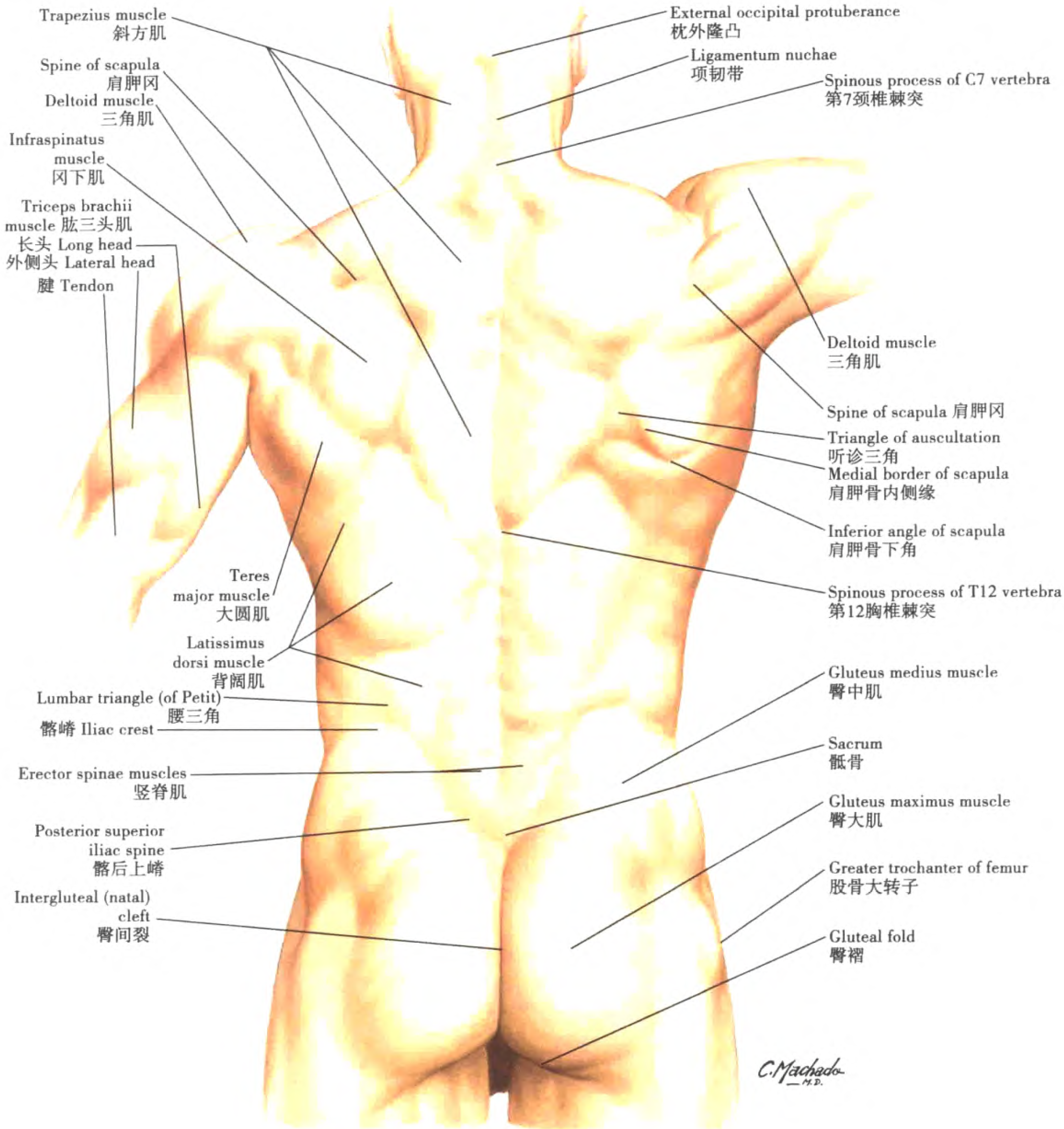
171 背部肌肉:浅层
172 背部肌肉:中层
173 背部肌肉:深层
174 背部神经
175 枕下三角

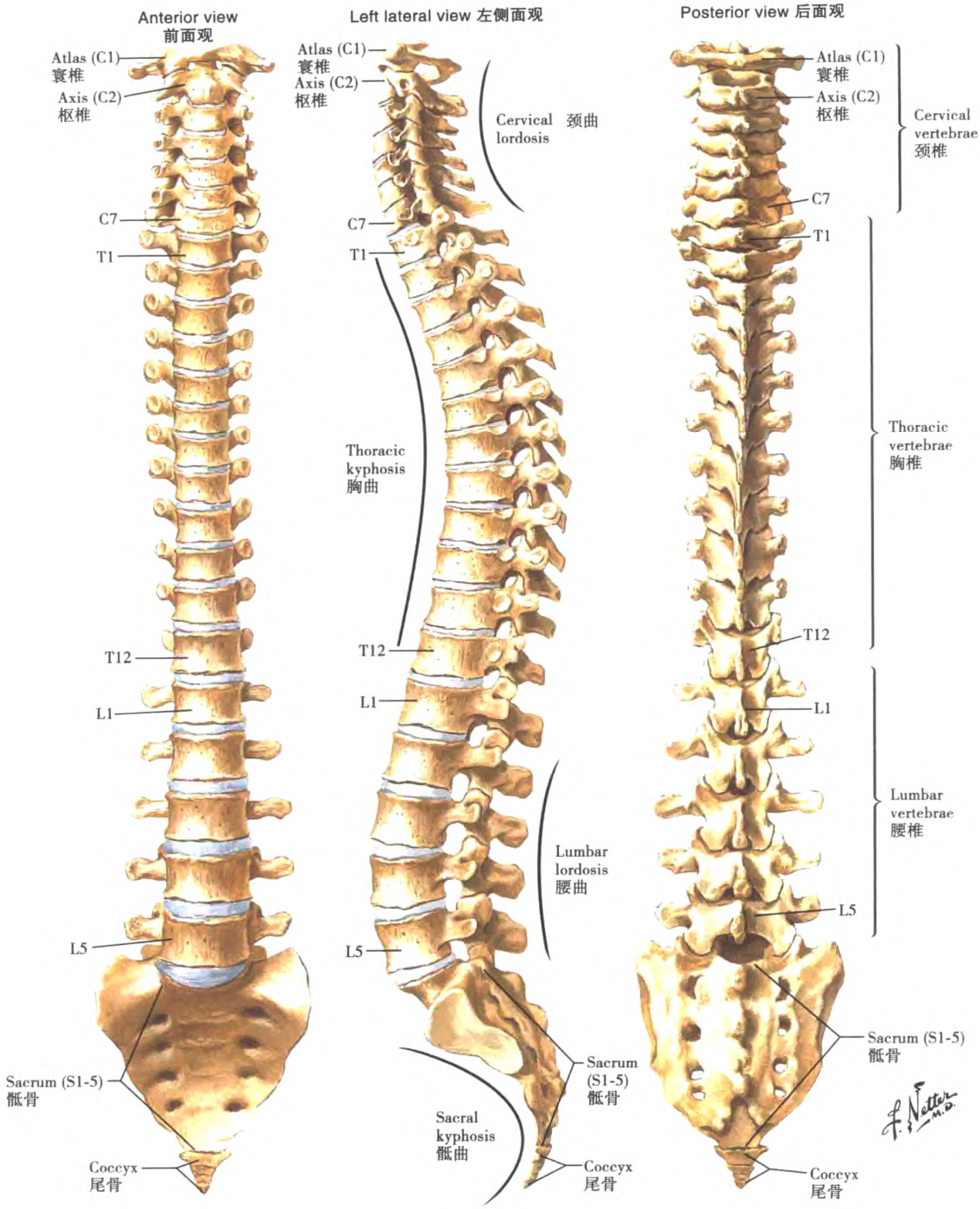
横断面解剖

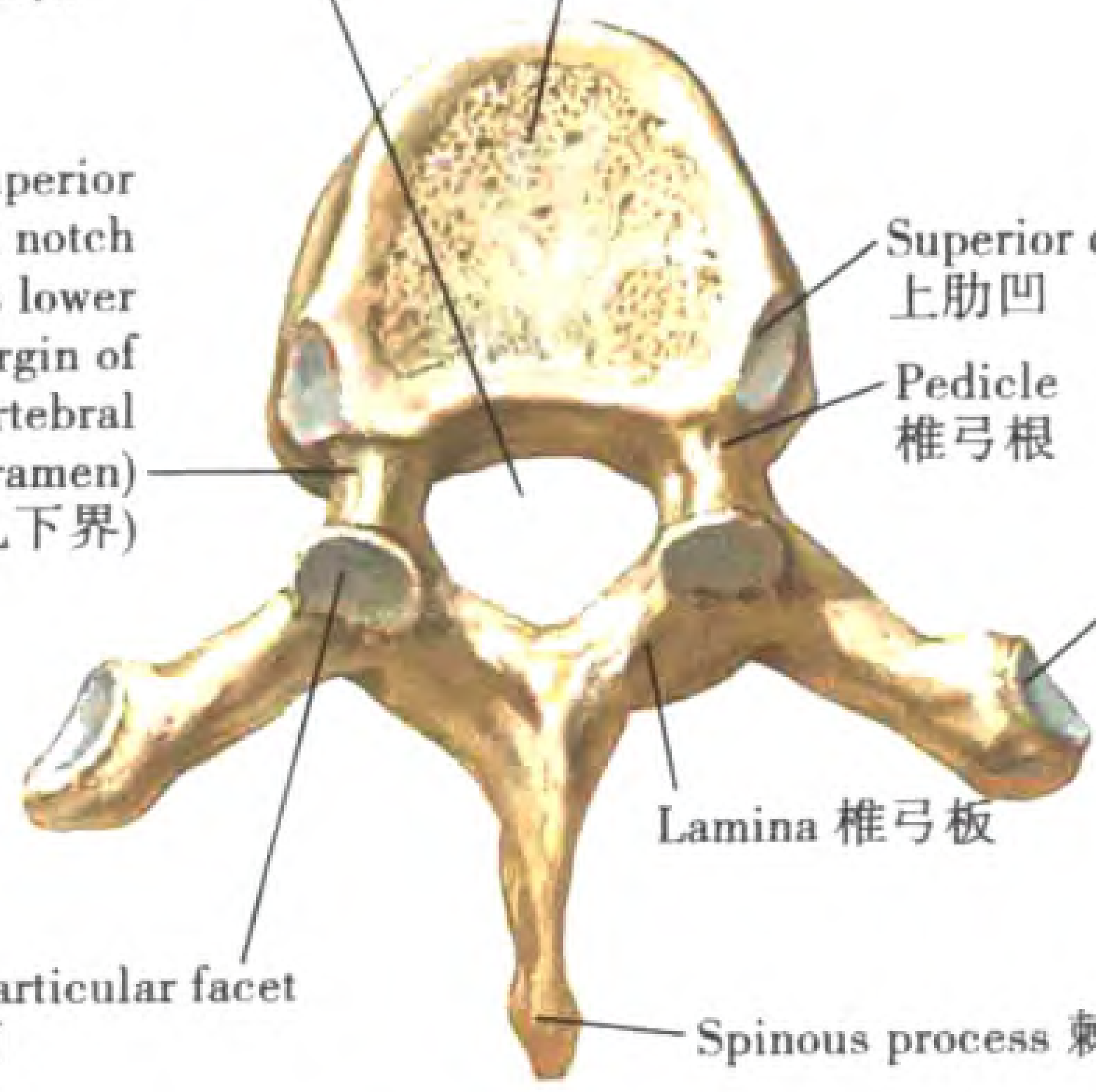
176-177

176 腰部:横切面
177 典型胸部脊神经:横切面

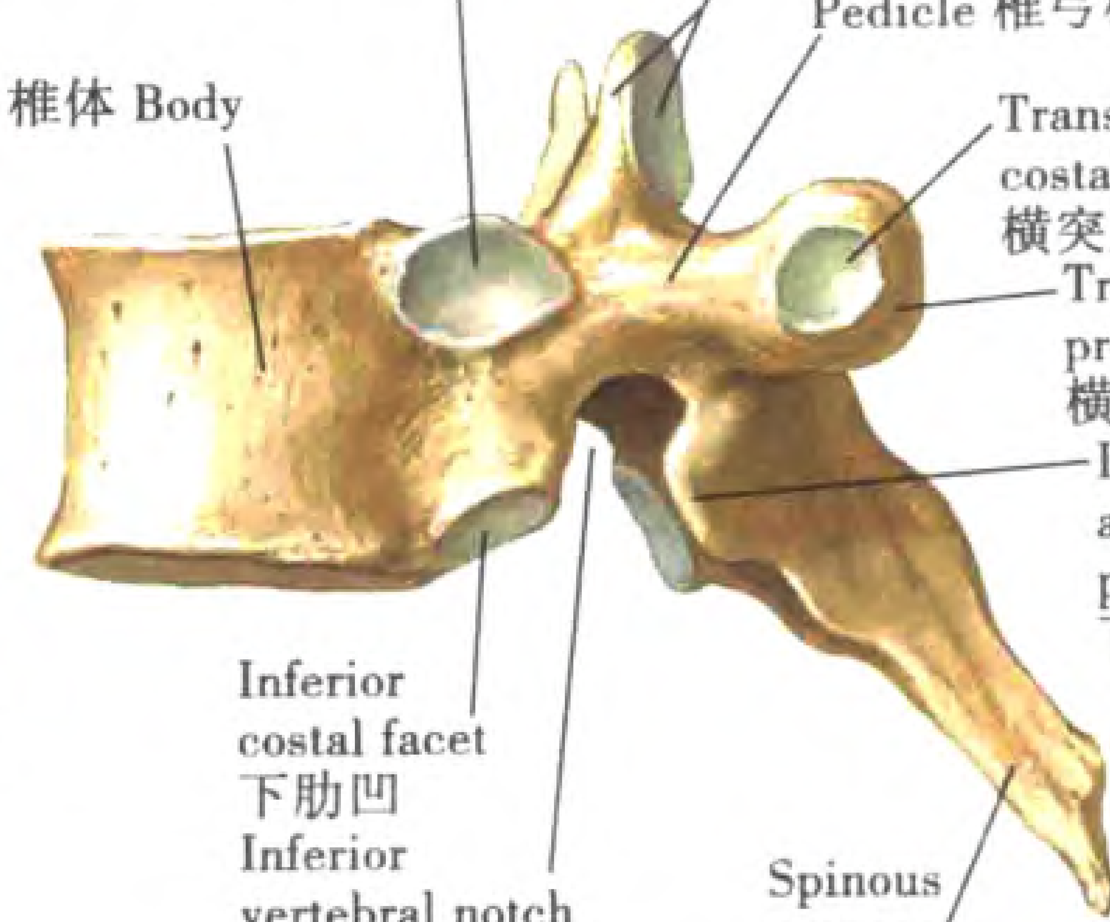
肌肉总表


Trapezius muscle
斜方肌
Spine of scapula
肩胛冈
Deltoid muscle
三角肌
Infraspinatus muscle
冈下肌
Triceps brachii muscle 肱三头肌
长头 Long head
外侧头 Lateral head
腱 Tendon
Teres major muscle
大圆肌
Latissimus dorsi muscle
背阔肌
Lumbar triangle (of Petit)
腰三角
髂嵴 Iliac crest
Erector spinae muscles
竖脊肌
Posterior superior iliac spine
髂后上嵴
Intergluteal (natal) cleft
臀间裂
External occipital protuberance
枕外隆凸
Ligamentum nuchae
项韧带
Spinous process of C7 vertebra
第7颈椎棘突
Deltoid muscle
三角肌
Spine of scapula 肩胛冈
Triangle of auscultation
听诊三角
Medial border of scapula
肩胛骨内侧缘
Inferior angle of scapula
肩胛骨下角
Spinous process of T12 vertebra
第12胸椎棘突
Gluteus medius muscle
臀中肌
Sacrum
骶骨
Gluteus maximus muscle
臀大肌
Greater trochanter of femur
股骨大转子
Gluteal fold
臀褶
C.Machado M.D.

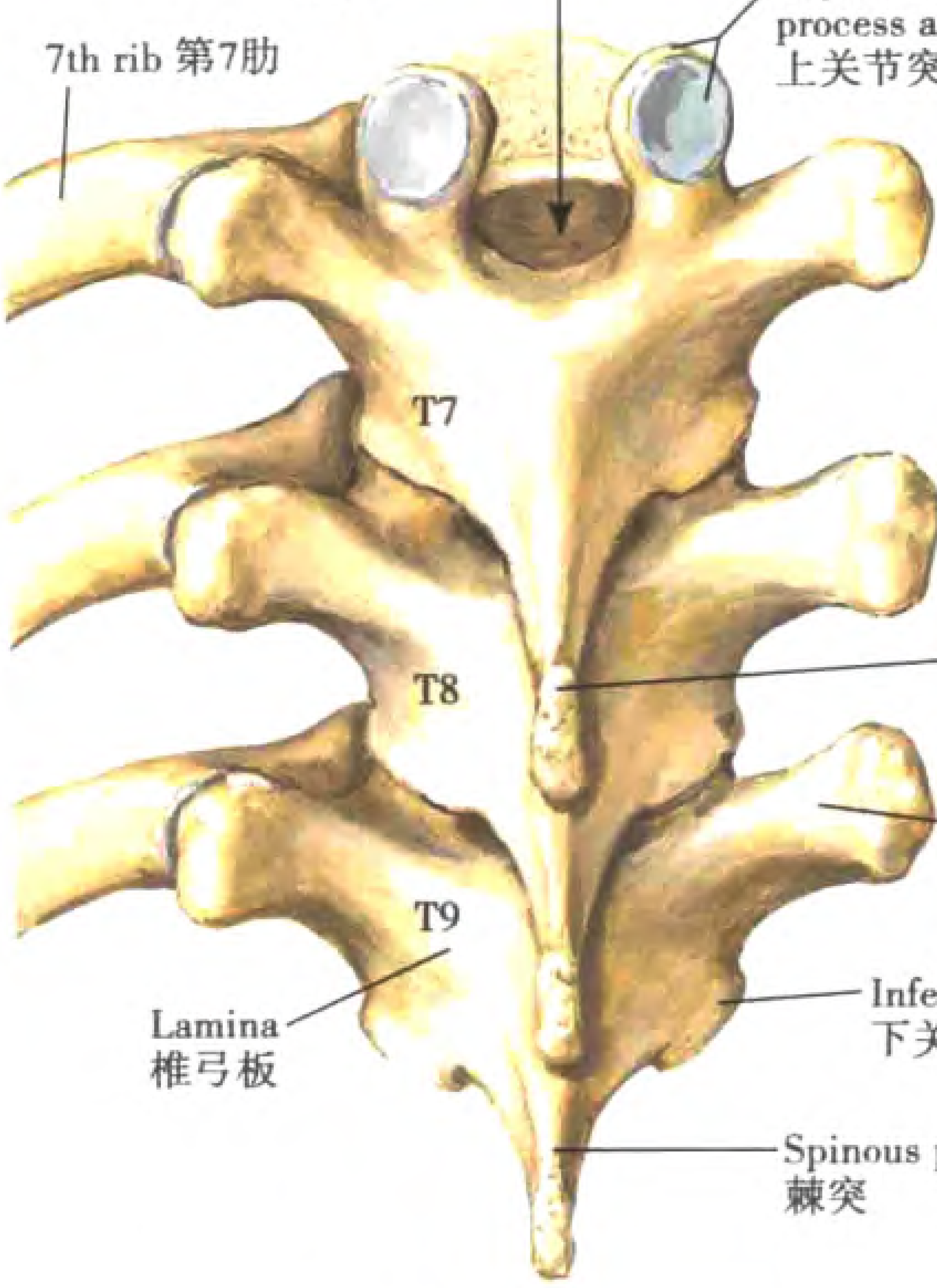

Anterior view
前面观
Atlas (C1)
寰椎
Axis (C2)
枢椎
C7
T1
T12
L1
L5
Sacrum (S1-5)
骶骨
Coccyx
尾骨
Left lateral view 左侧面观
Atlas (C1)
寰椎
Axis (C2)
枢椎
Cervical lordosis 颈曲
C7
T1
Thoracic kyphosis
胸曲
T12
L1
Lumbar lordosis
腰曲
L5
Sacrum (S1-5)
骶骨
Sacral kyphosis
骶曲
Coccyx
尾骨
Posterior view 后面观
Atlas (C1)
寰椎
Axis (C2)
枢椎
Cervical vertebrae
颈椎
C7
T1
Thoracic vertebrae
胸椎
T12
L1
Lumbar vertebrae
腰椎
L5
Sacrum (S1-5)
骶骨
Coccyx
尾骨



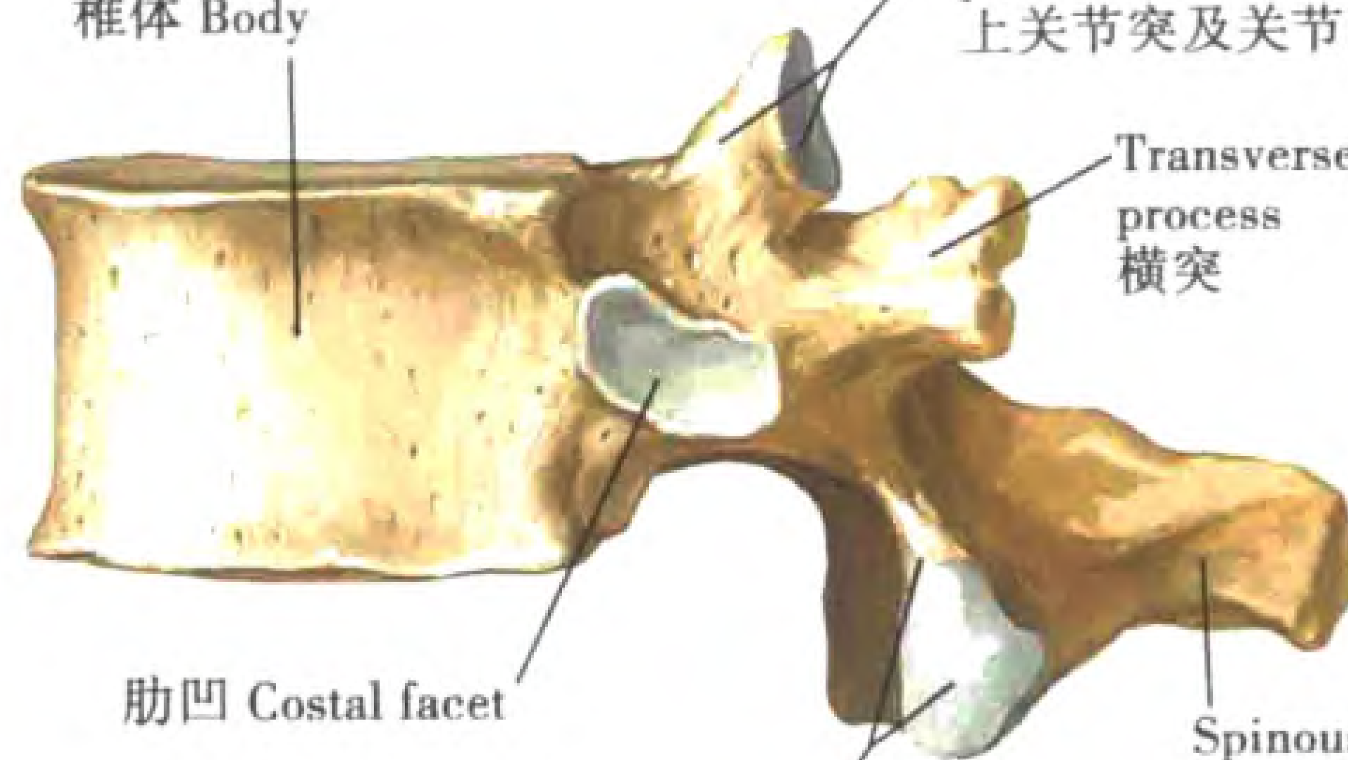
T6 vertebra:
superior view
第6胸椎：上面观



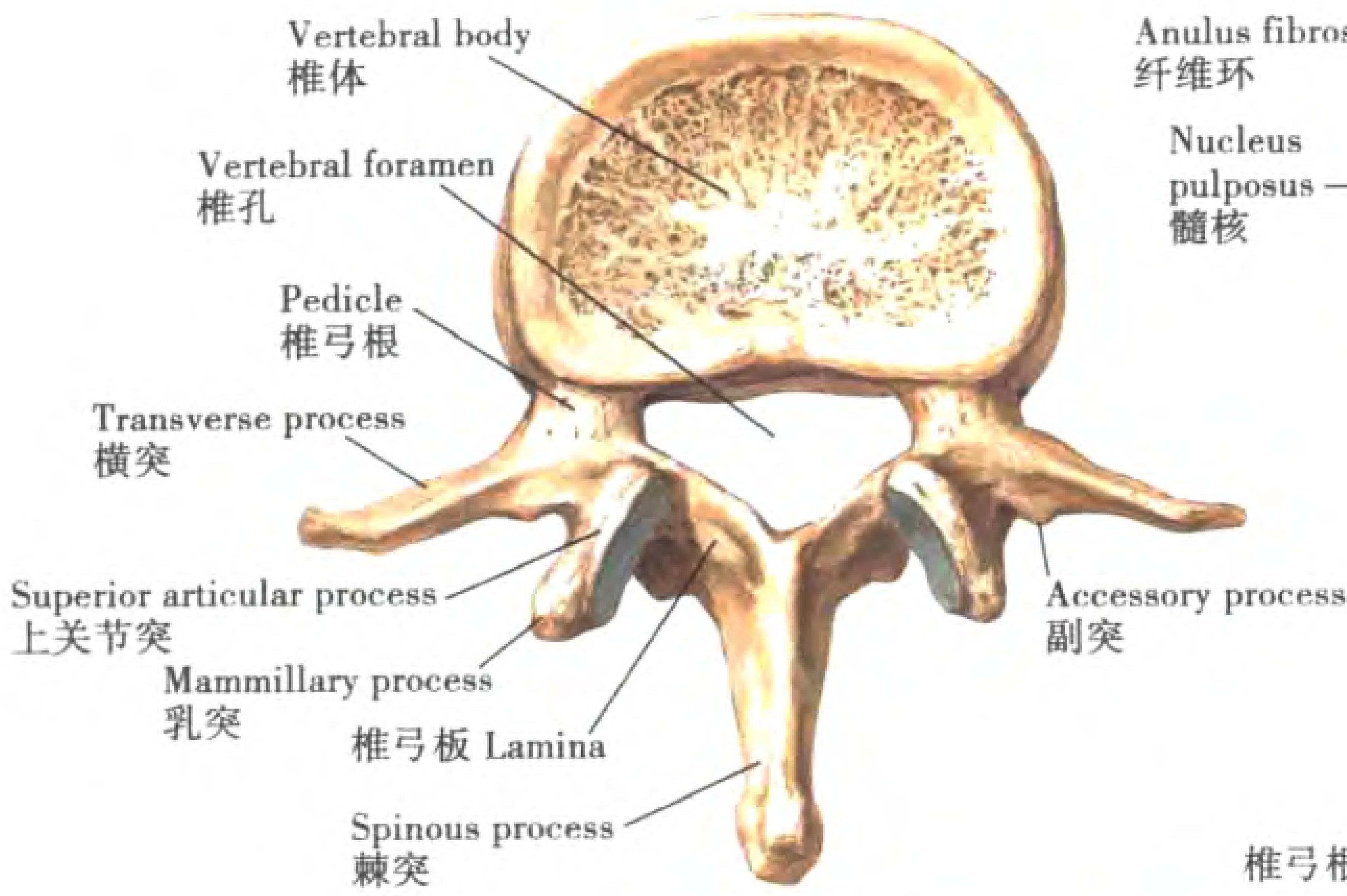
T6 vertebra:
lateral view
第6胸椎：侧面观



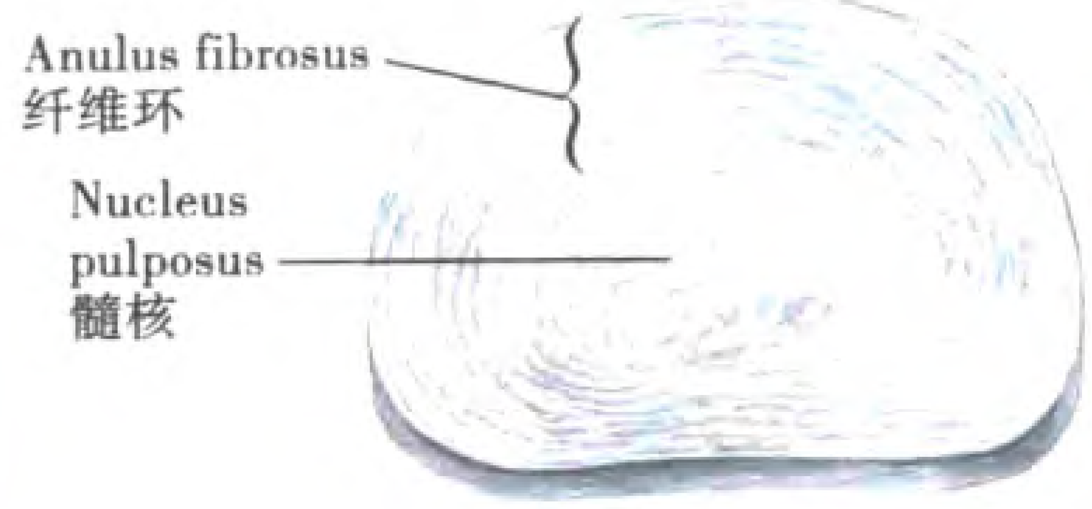
T7, T8, and T9 vertebrae:
posterior view
第7~9胸椎：后面观



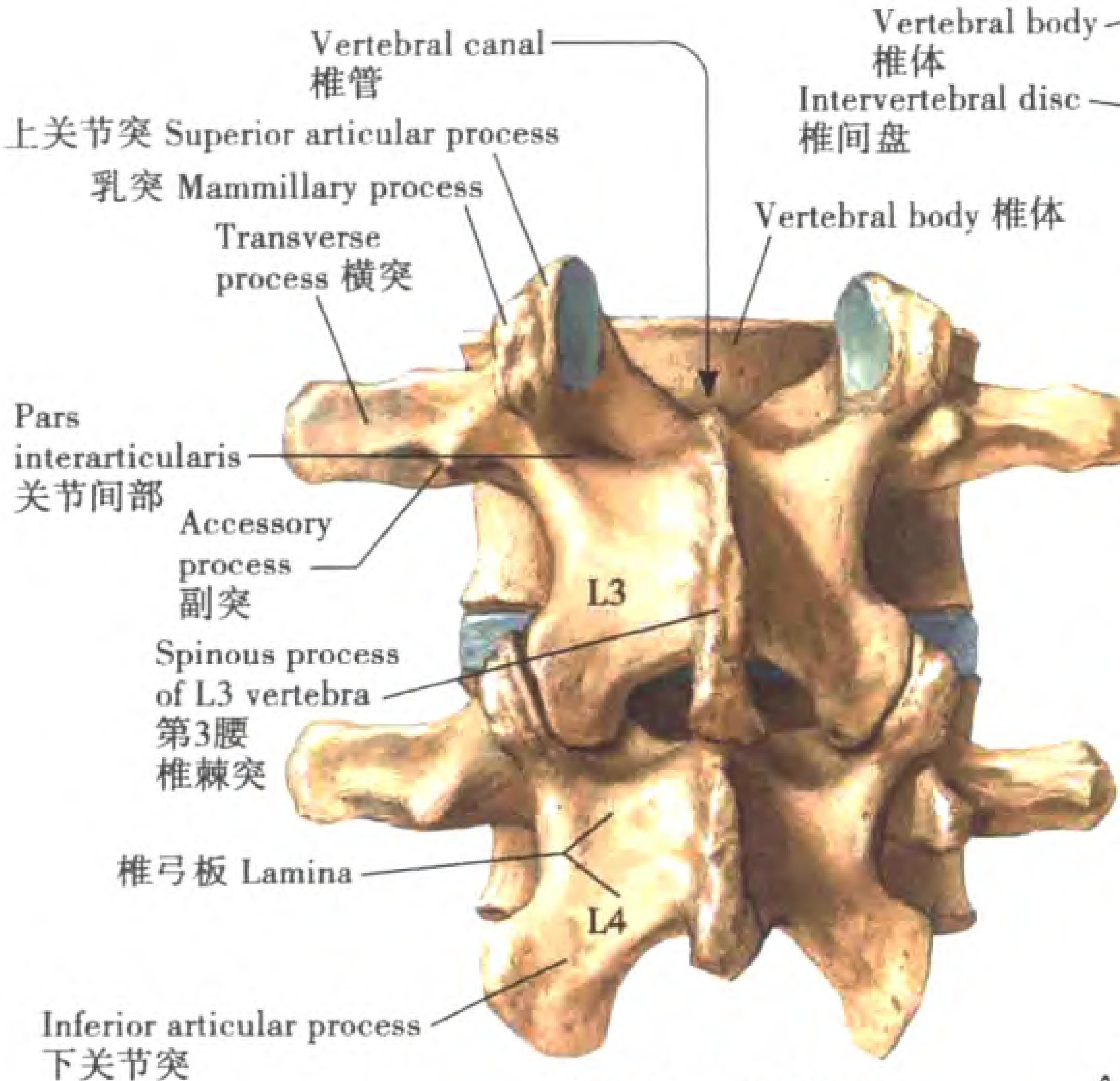
T12 vertebra:
lateral view
第12胸椎：侧面观



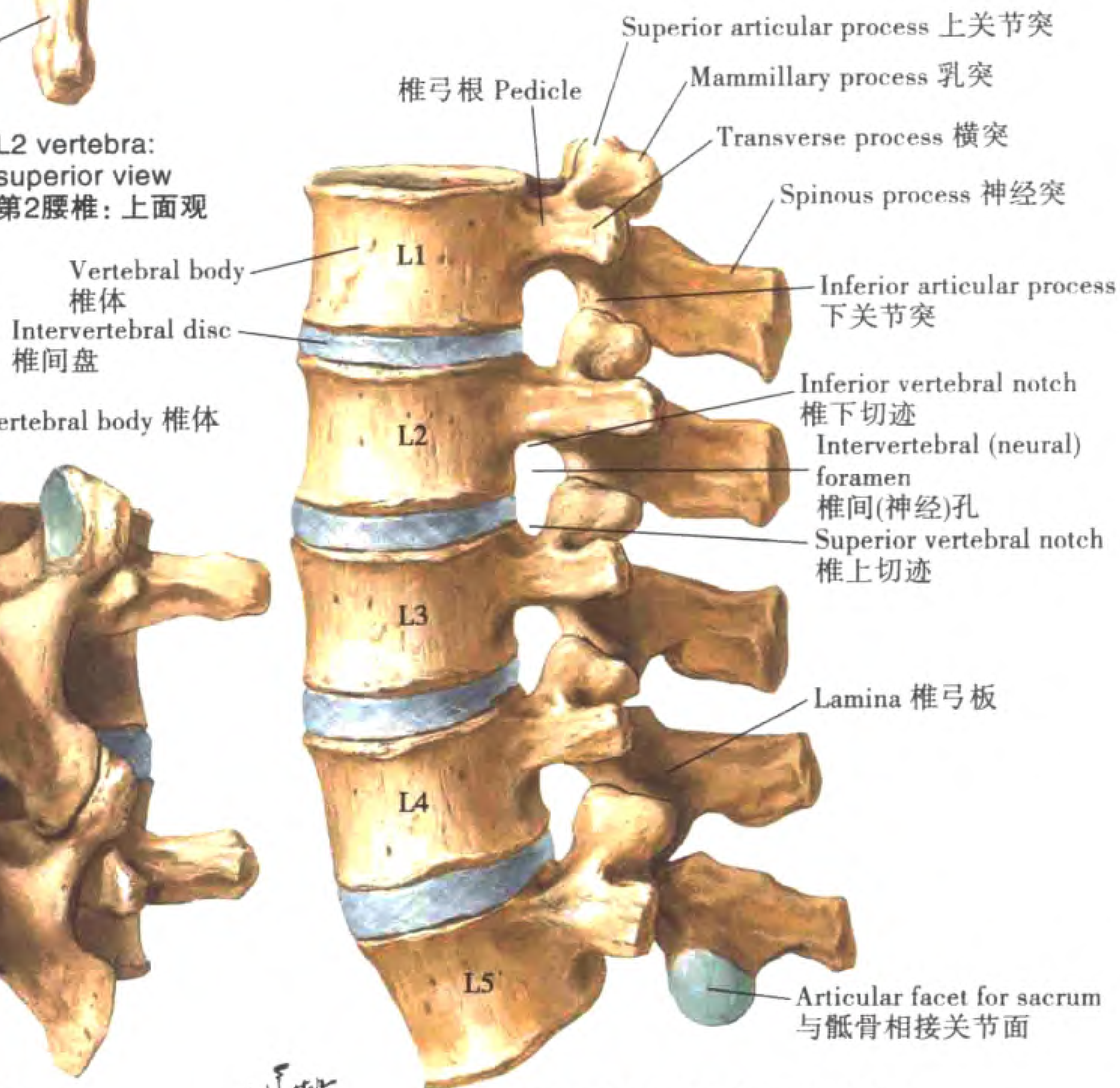
L2 vertebra:
superior view
第2腰椎：上面观



Intervertebral disc
椎间盘

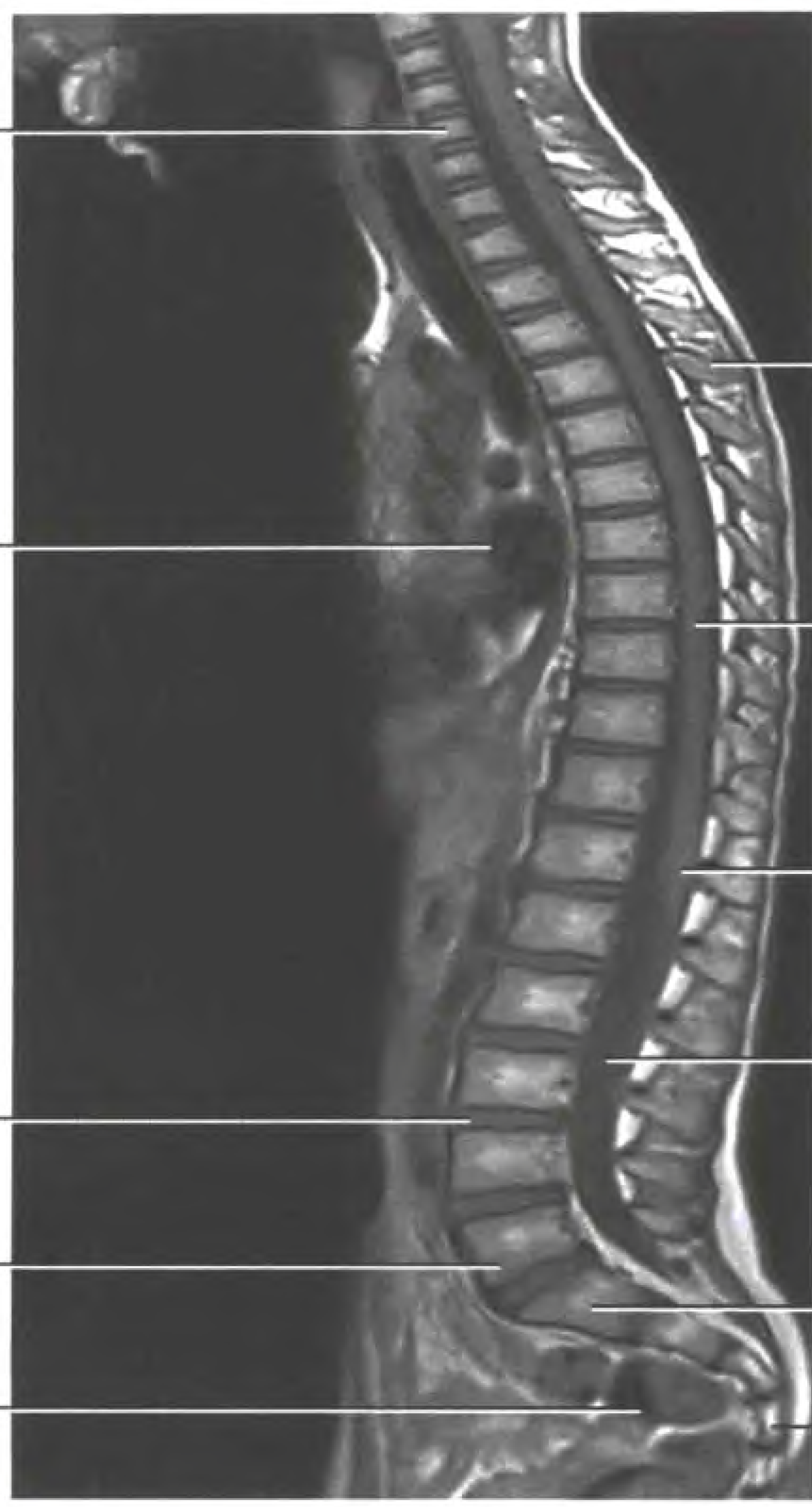


L3 and L4 vertebrae:
posterior view
第3、4腰椎：后面观



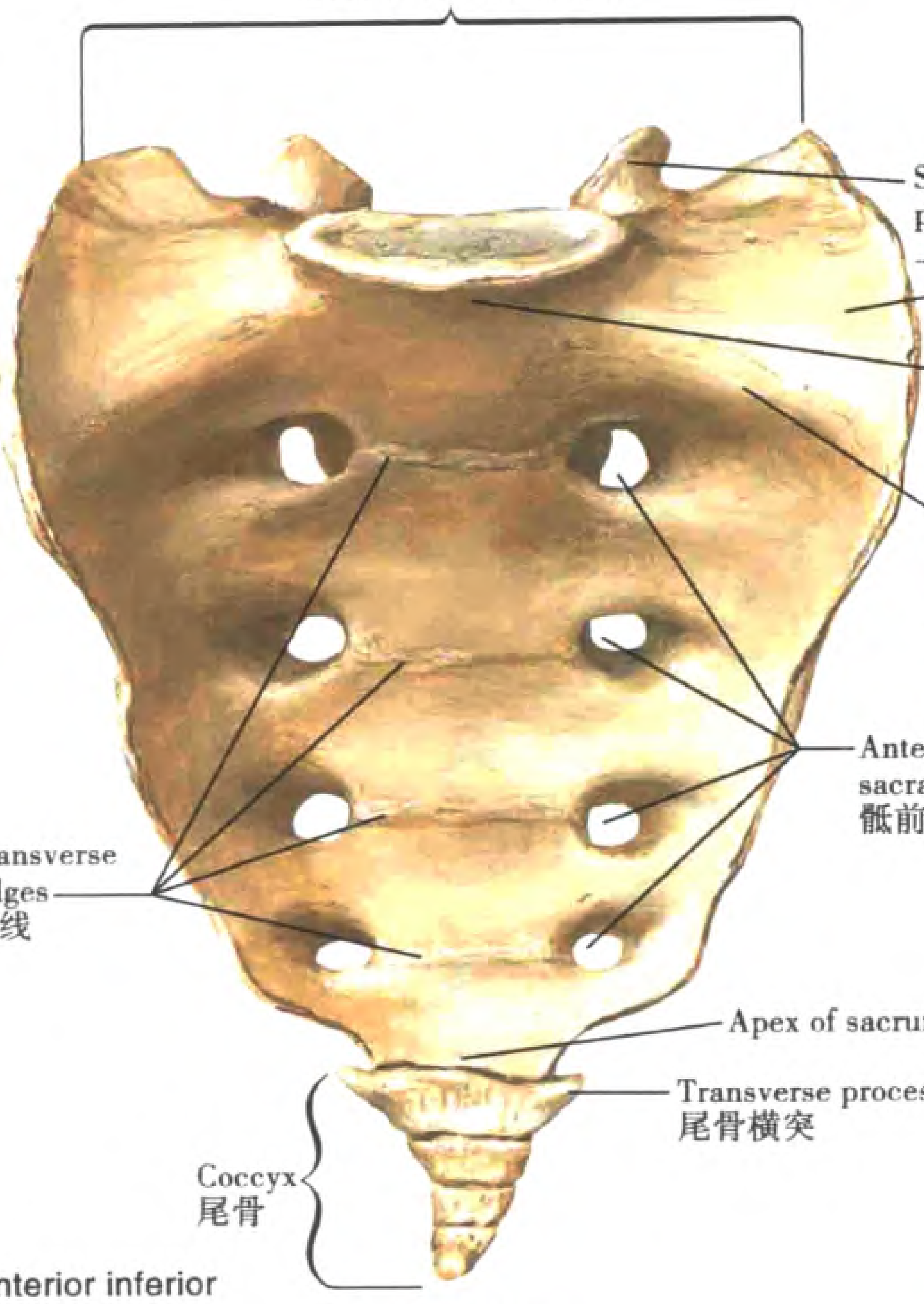
Lumbar vertebrae,articulated:
left lateral view
第1~5腰椎：左侧面观


Lung
肺
Air in stomach 胃泡
12th rib
第12肋
Pedicle L2 第2腰椎椎弓根
Transverse process L3
第3腰椎横突
Inferior articular process L2
第2腰椎下关节突
Lamina L4
第4腰椎椎弓板
Air in colon 结肠中的气体
Spinous process
棘突
Ilium
髂骨
Sacrum
骶骨


Body of cervical vertebra
颈椎椎体
Spinous process of thoracic vertebra
胸椎棘突
Heart
心
Spinal cord
脊髓
Conus medullaris
脊髓圆锥
Lumbar cistern
腰大池
L3/L4 intervertebral disc
第3、4腰椎椎间盘
Body L5
第5腰椎椎体
S1 vertebra
第1骶椎
Rectum
直肠
Coccyx
尾骨

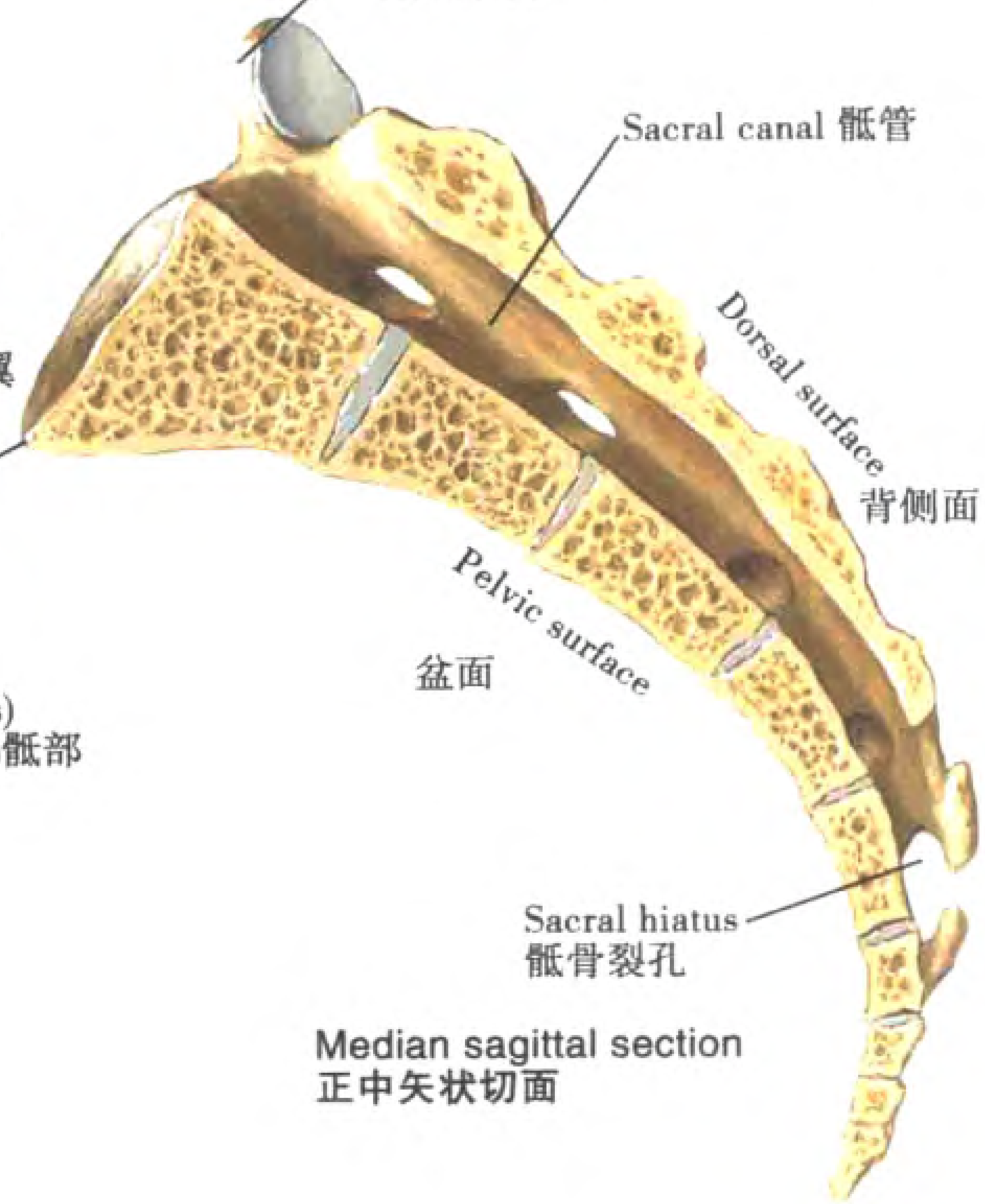
骶骨和尾骨

参见图 330，334

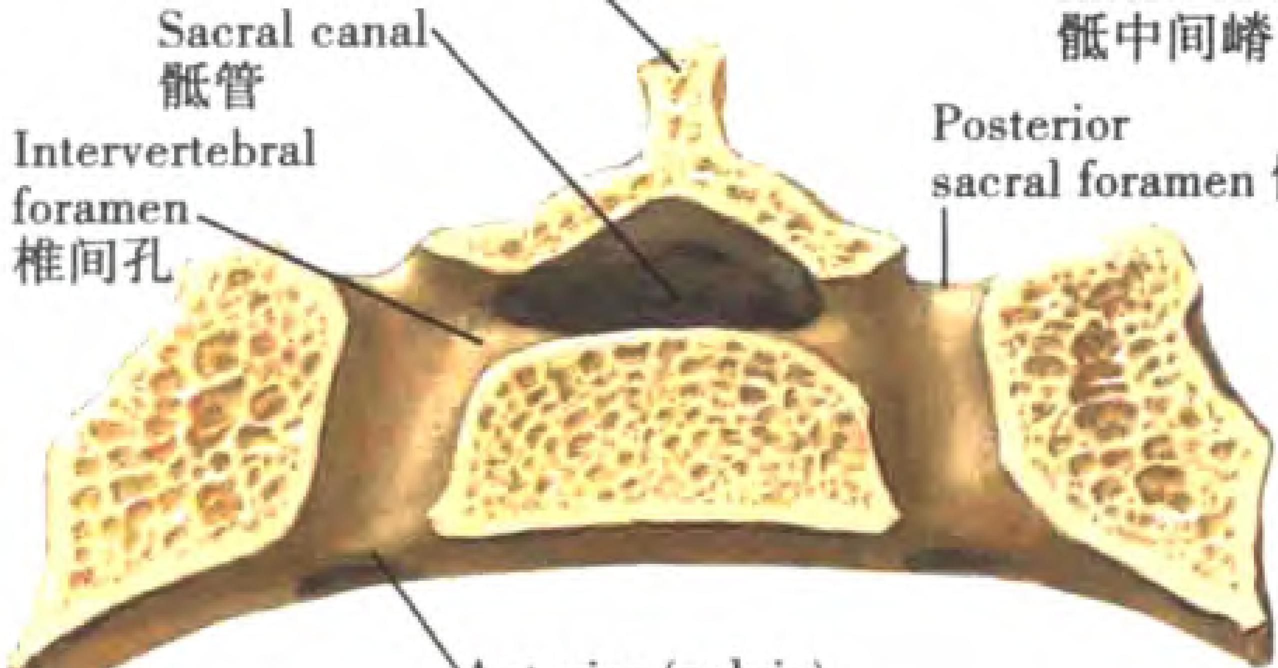


Anterior inferior view
前下面观

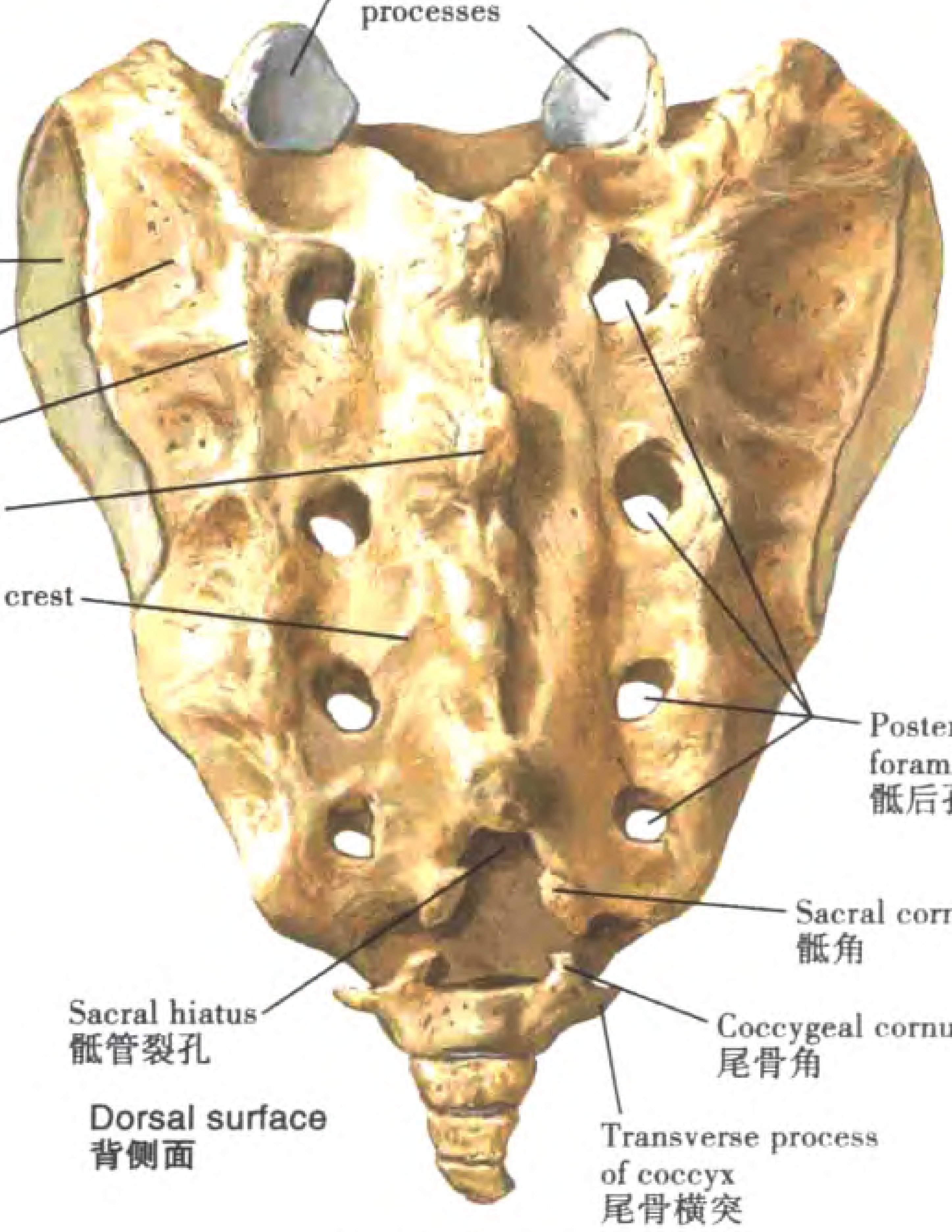
Pelvic surface
盆面



Median sagittal section
正中矢状切面

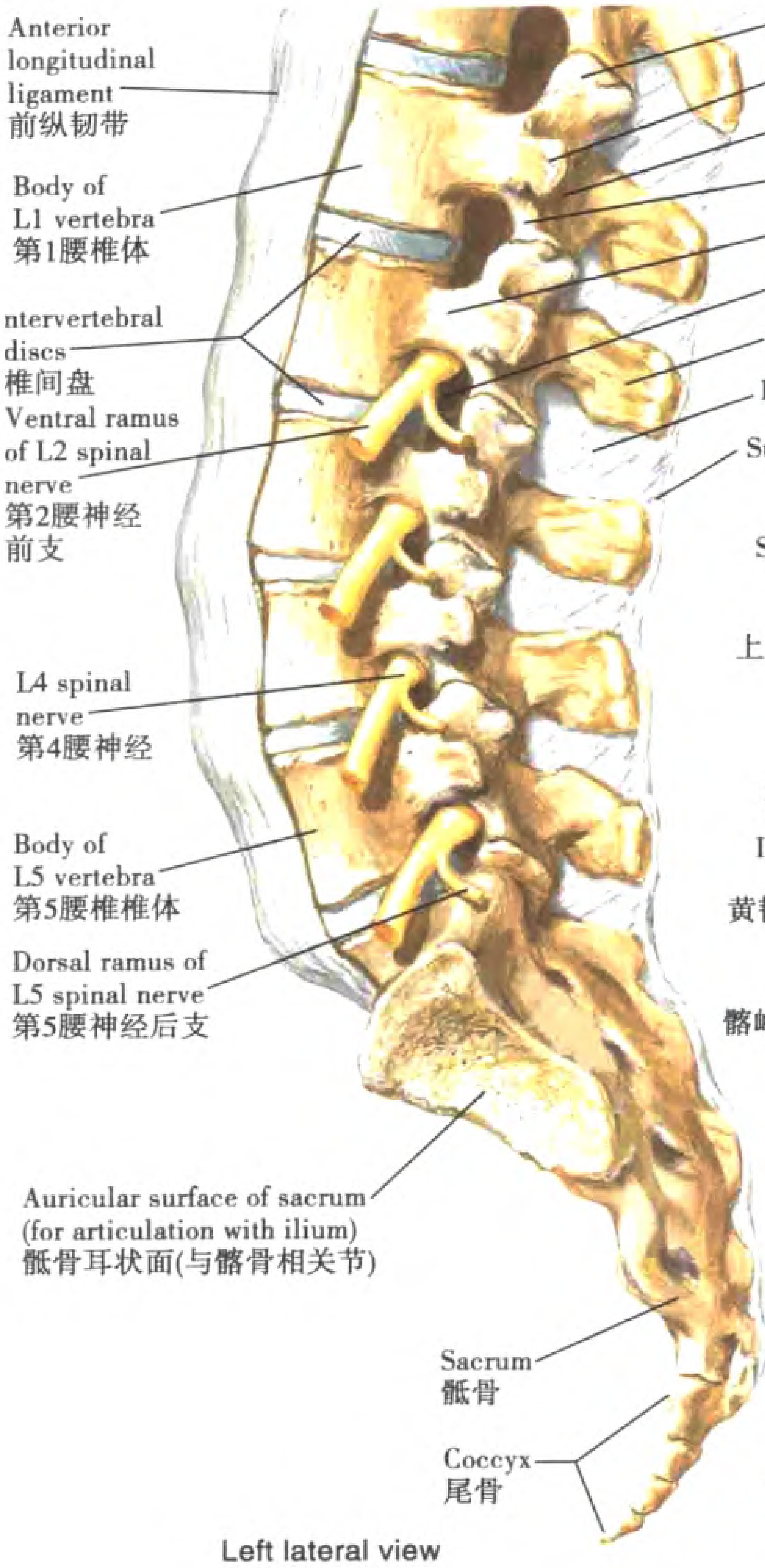


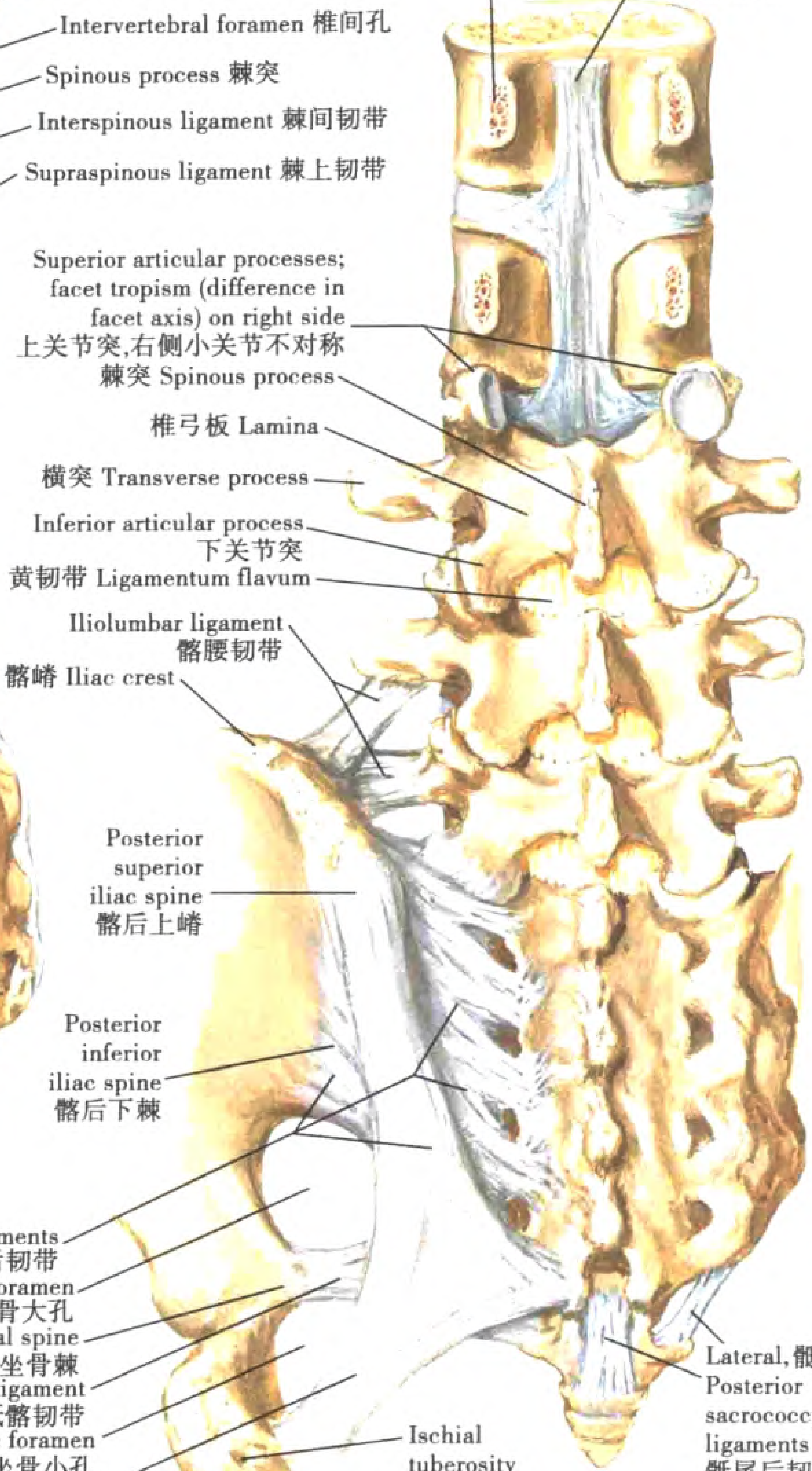
Transverse section through S2 foramina
通过第2骶横断面

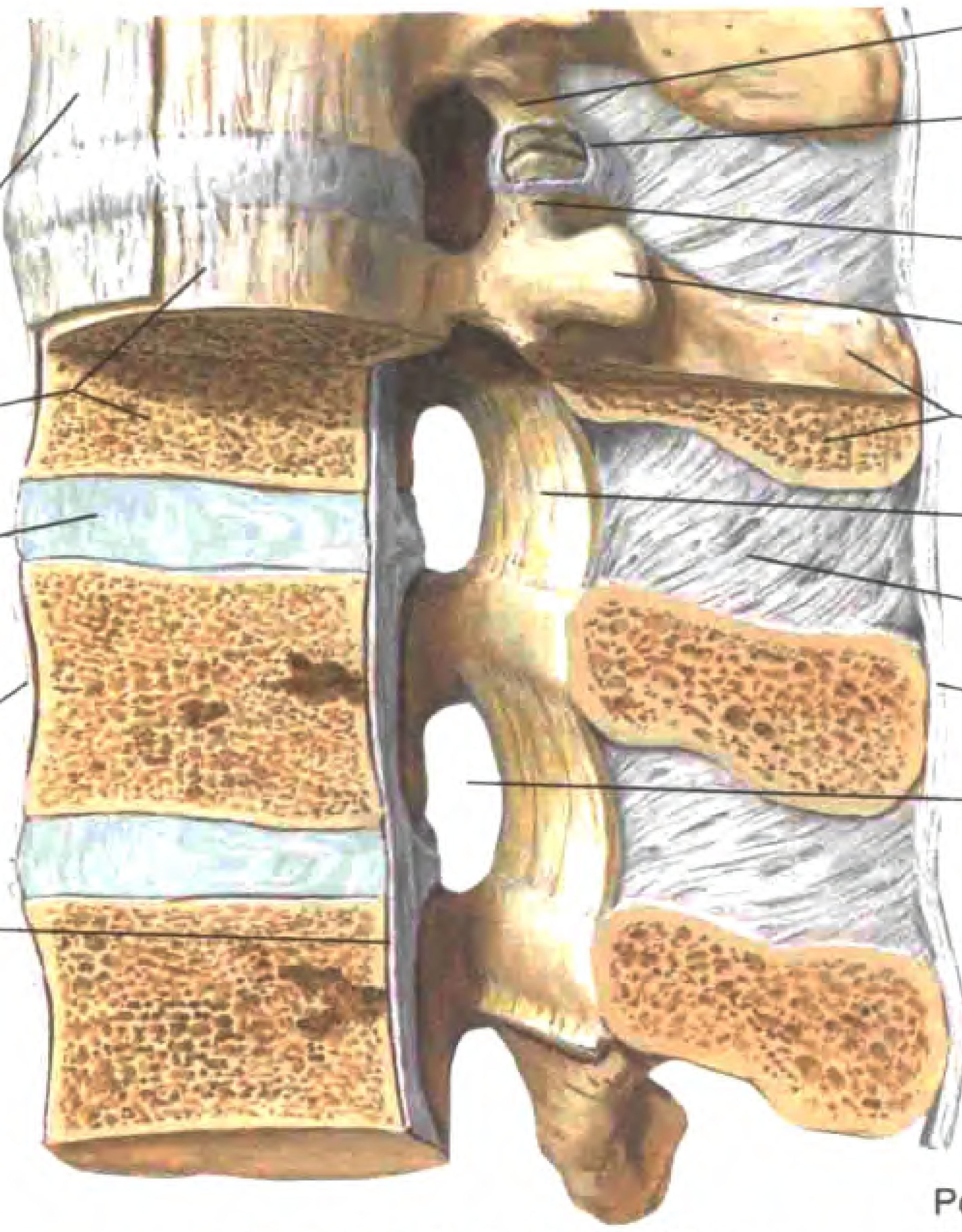


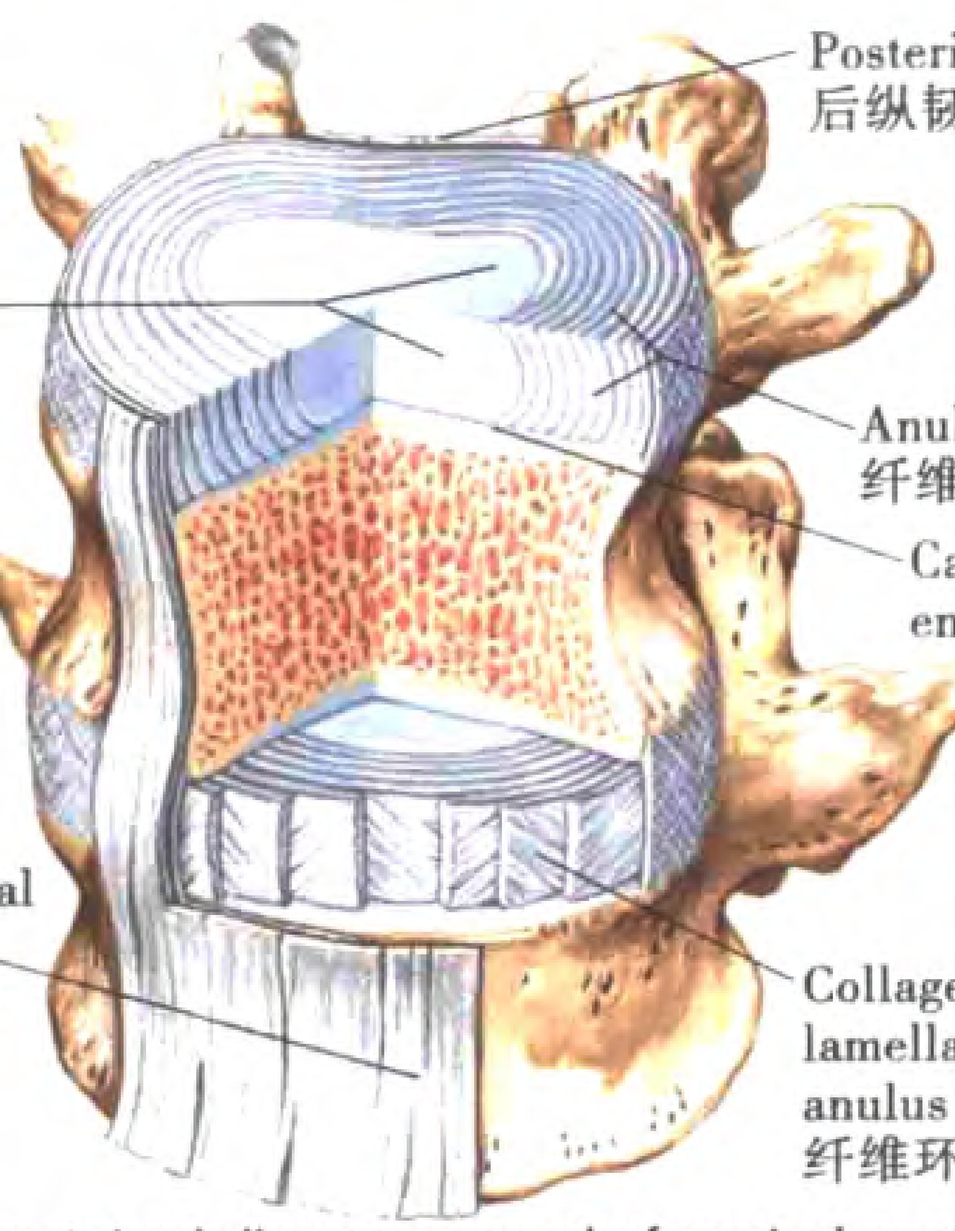
Dorsal surface
背侧面

Posterior superior view
后上面观


Anterior longitudinal ligament 前纵韧带
Body of L1 vertebra 第1腰椎体
ntervertebral discs 椎间盘
Ventral ramus of L2 spinal nerve 第2腰神经前支
L4 spinal nerve 第4腰神经
Body of L5 vertebra 第5腰椎椎体
Dorsal ramus of L5 spinal nerve 第5腰神经后支
Auricular surface of sacrum (for articulation with ilium) 骶骨耳状面(与髂骨相关节)
Sacrum 骶骨
Coccyx 尾骨
Superior articular process 上关节突
Transverse process 横突
Lamina 椎弓板
Inferior articular process 下关节突
Pedicle 椎弓根
Intervertebral foramen 椎间孔
Spinous process 棘突
Interspinous ligament 棘间韧带
Supraspinous ligament 棘上韧带
Left lateral view
左面观

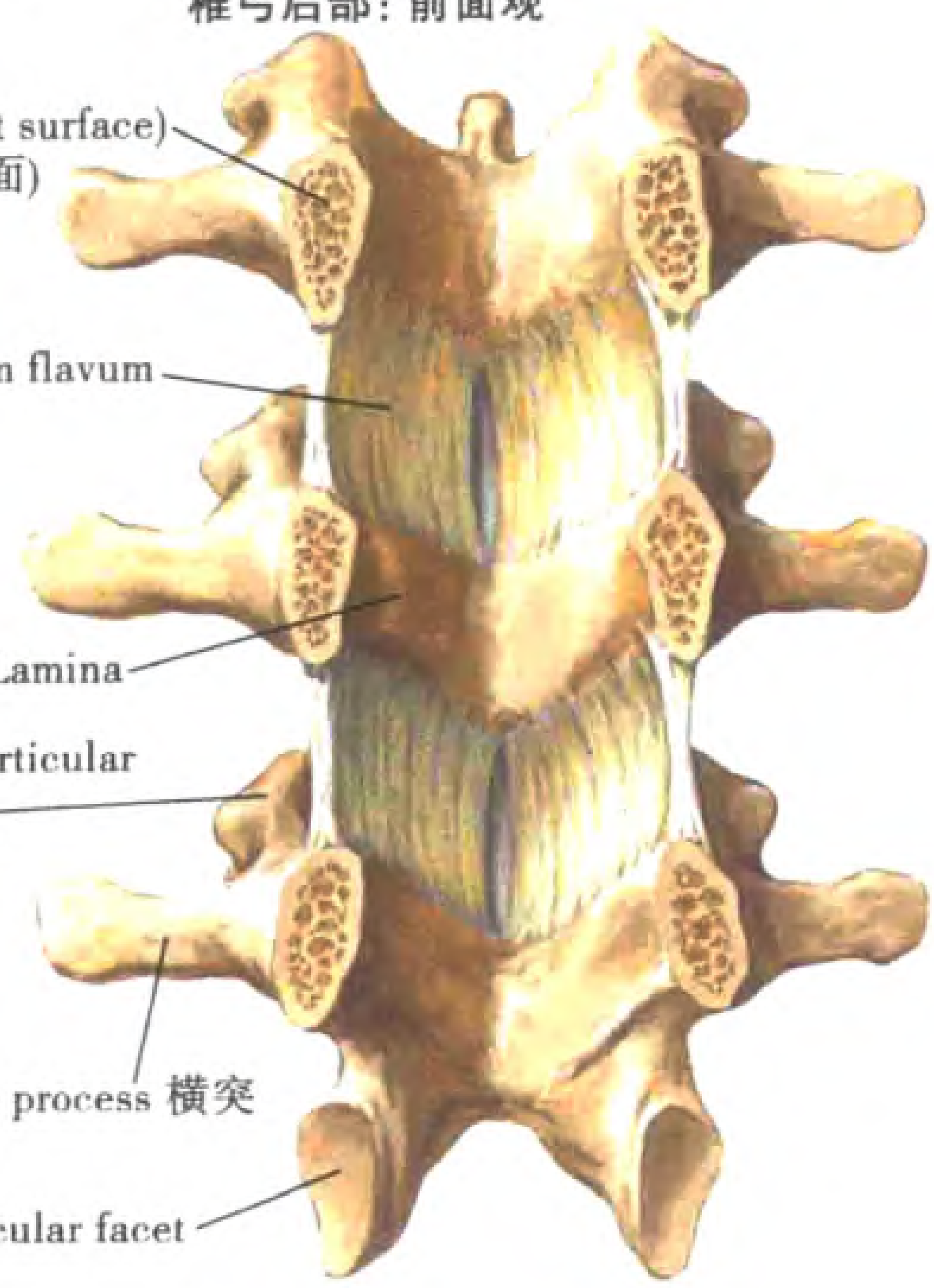

椎弓根(切面) Pedicle (cut)
Posterior longitudinal ligament 后纵韧带
Superior articular processes; facet tropism (difference in facet axis) on right side 上关节突,右侧小关节不对称
棘突 Spinous process
椎弓板 Lamina
横突 Transverse process
Inferior articular process 下关节突
黄韧带 Ligamentum flavum
Iliolumbar ligament 髂腰韧带
髂嵴 Iliac crest
Posterior superior iliac spine 髂后上嵴
Posterior inferior iliac spine 髂后下棘
Posterior sacro-iliac ligaments 骶髂后韧带
Greater sciatic foramen 坐骨大孔
Ischial spine 坐骨棘
Sacrospinous ligament 骶髂韧带
Lesser sciatic foramen 坐骨小孔
Sacrotuberous ligament 骶结节韧带
Ischial tuberosity 坐骨结节
Lateral, 骶尾外侧韧带
Posterior sacrococcygeal ligaments 骶尾后韧带
Posterior view
后面观





中心的胶原和含水糖蛋白及其外围的同轴的胶原纤维板层组成椎间盘 Intervertebral disc composed of central nuclear zone of collagen and hydrated proteoglycans surrounded by concentric lamellae of collagen fibers

Posterior vertebral arches:
anterior view
椎弓后部：前面观



F. Netter M.D. C.Machado M.D.

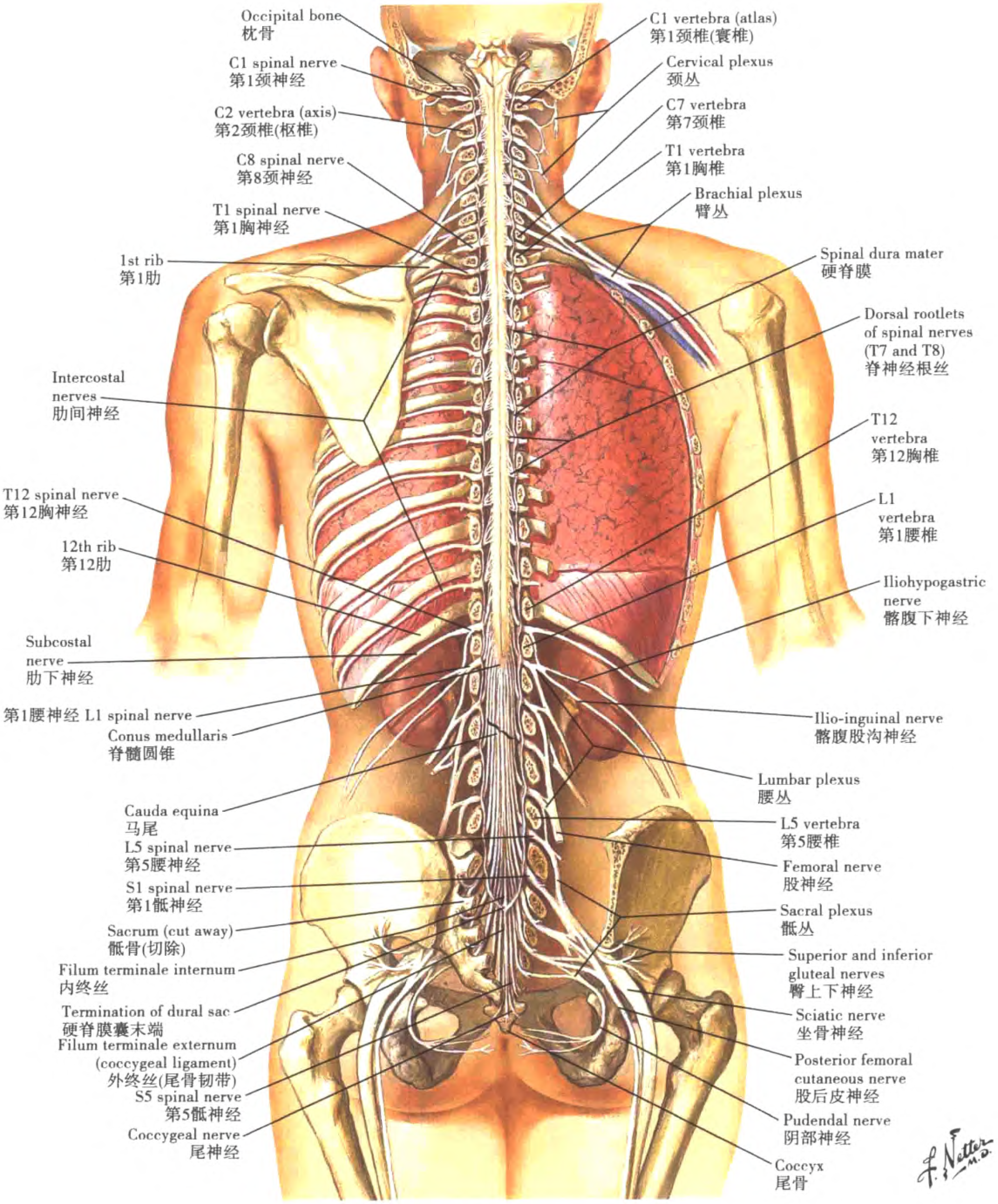
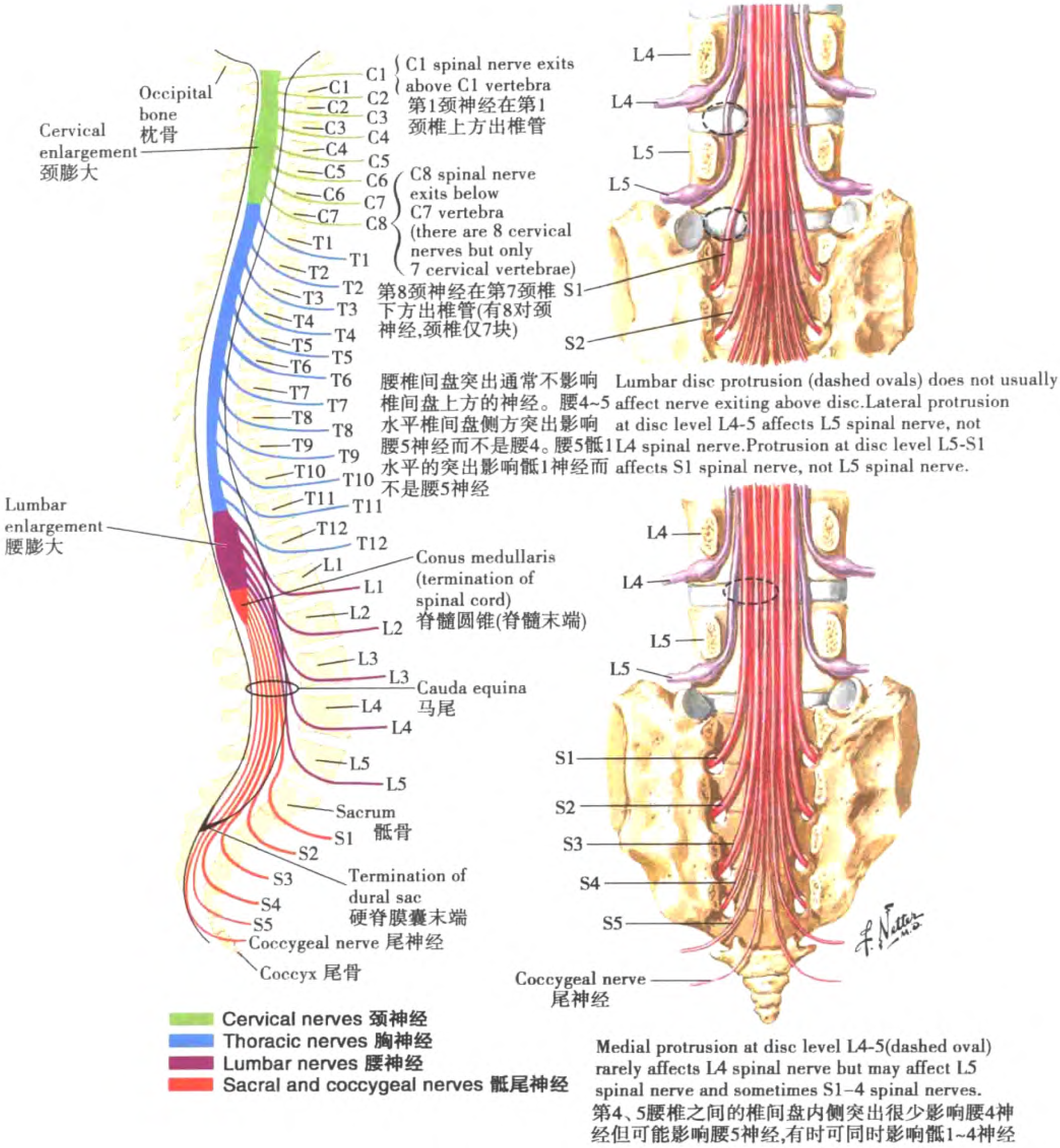
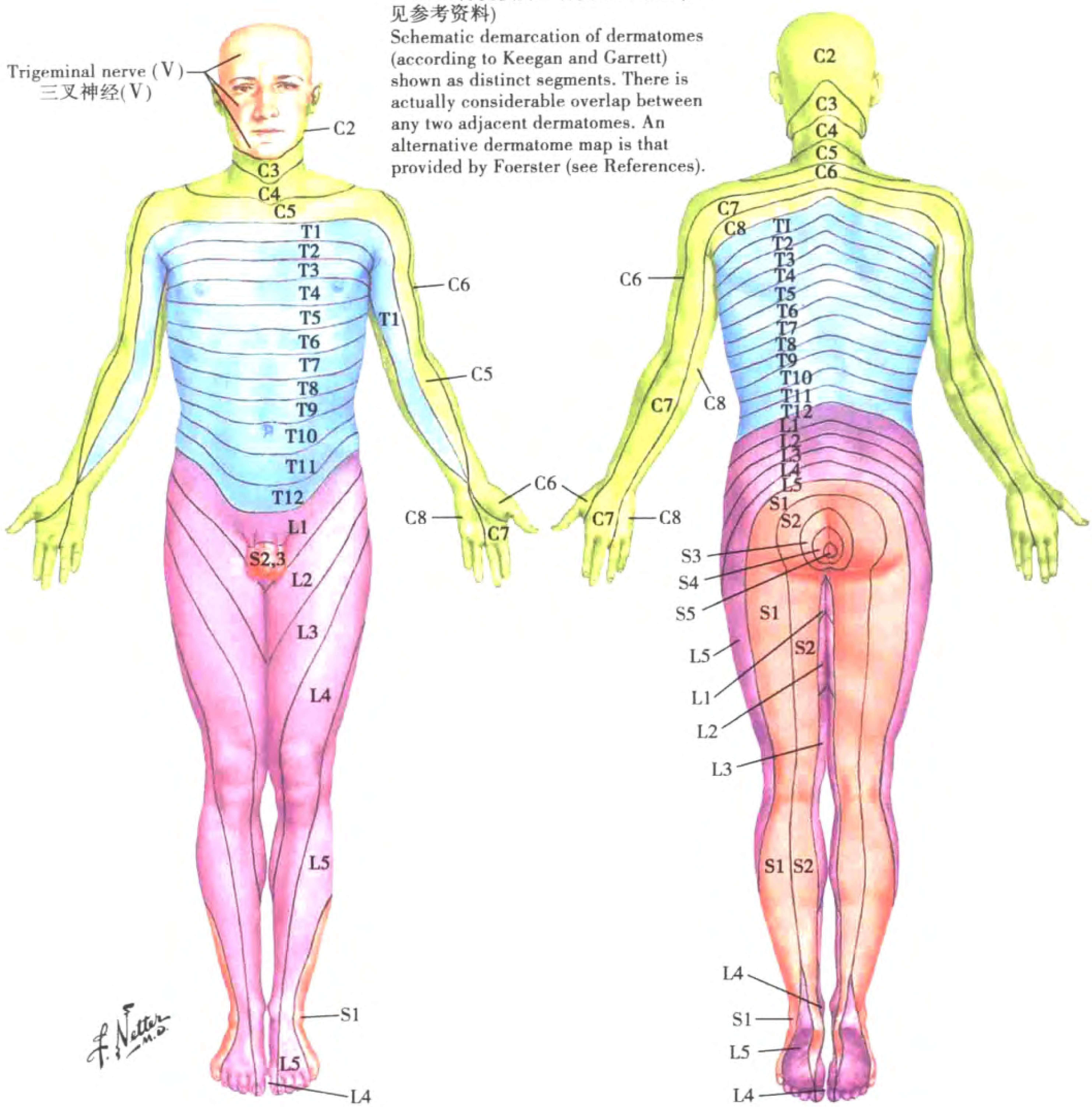

Occipital bone
枕骨
C1 spinal nerve
第1颈神经
C2 vertebra (axis)
第2颈椎(枢椎)
C8 spinal nerve
第8颈神经
T1 spinal nerve
第1胸神经
1st rib
第1肋
Intercostal nerves
肋间神经
T12 spinal nerve
第12胸神经
12th rib
第12肋
Subcostal nerve
肋下神经
第1腰神经 L1 spinal nerve
Conus medullaris
脊髓圆锥
Cauda equina
马尾
L5 spinal nerve
第5腰神经
S1 spinal nerve
第1骶神经
Sacrum (cut away)
骶骨(切除)
Filum terminale internum
内终丝
Termination of dural sac
硬脊膜囊末端
Filum terminale externum (coccygeal ligament)
外终丝(尾骨韧带)
S5 spinal nerve
第5骶神经
Coccygeal nerve
尾神经
C1 vertebra (atlas)
第1颈椎(寰椎)
Cervical plexus
颈丛
C7 vertebra
第7颈椎
T1 vertebra
第1胸椎
Brachial plexus
臂丛
Spinal dura mater
硬脊膜
Dorsal rootlets of spinal nerves (T7 and T8)
脊神经根丝
T12 vertebra
第12胸椎
L1 vertebra
第1腰椎
Iliohypogastric nerve
髂腹下神经
Ilio-inguinal nerve
髂腹股沟神经
Lumbar plexus
腰丛
L5 vertebra
第5腰椎
Femoral nerve
股神经
Sacral plexus
骶丛
Superior and inferior gluteal nerves
臀上下神经
Sciatic nerve
坐骨神经
Posterior femoral cutaneous nerve
股后皮神经
Pudendal nerve
阴部神经
Coccyx
尾骨
F. Netter M.D.

图 160 脊髓


C1 spinal nerve exits above C1 vertebra
第1颈神经在第1颈椎上方出椎管
Occipital bone
枕骨
Cervical enlargement
颈膨大
C1
C2
C3
C4
C5
C6
C7
C8
T1
T2
T3
T4
T5
T6
T7
T8
T9
T10
T11
T12
L1
L2
L3
L4
L5
S1
S2
S3
S4
S5
C8 spinal nerve exits below C7 vertebra (there are 8 cervical nerves but only 7 cervical vertebrae)
第8颈神经在第7颈椎下方出椎管(有8对颈神经,颈椎仅7块)
腰椎间盘突出通常不影响椎间盘上方的神经。腰4~5水平椎间盘侧方突出影响腰5神经而不是腰4。腰5骶1水平的突出影响骶1神经而不是腰5神经
Lumbar disc protrusion (dashed ovals) does not usually affect nerve exiting above disc.Lateral protrusion at disc level L4-5 affects L5 spinal nerve, not L4 spinal nerve.Protrusion at disc level L5-S1 affects S1 spinal nerve, not L5 spinal nerve.
Lumbar enlargement
腰膨大
Conus medullaris (termination of spinal cord)
脊髓圆锥(脊髓末端)
Cauda equina
马尾
Sacrum
骶骨
Termination of dural sac
硬脊膜囊末端
Coccygeal nerve 尾神经
Coccyx 尾骨
Coccygeal nerve
尾神经
Cervical nerves 颈神经
Thoracic nerves 胸神经
Lumbar nerves 腰神经
Sacral and coccygeal nerves 骶尾神经
Medial protrusion at disc level L4-5(dashed oval) rarely affects L4 spinal nerve but may affect L5 spinal nerve and sometimes S1–4 spinal nerves.
第4、5腰椎之间的椎间盘内侧突出很少影响腰4神经但可能影响腰5神经,有时可同时影响骶1~4神经

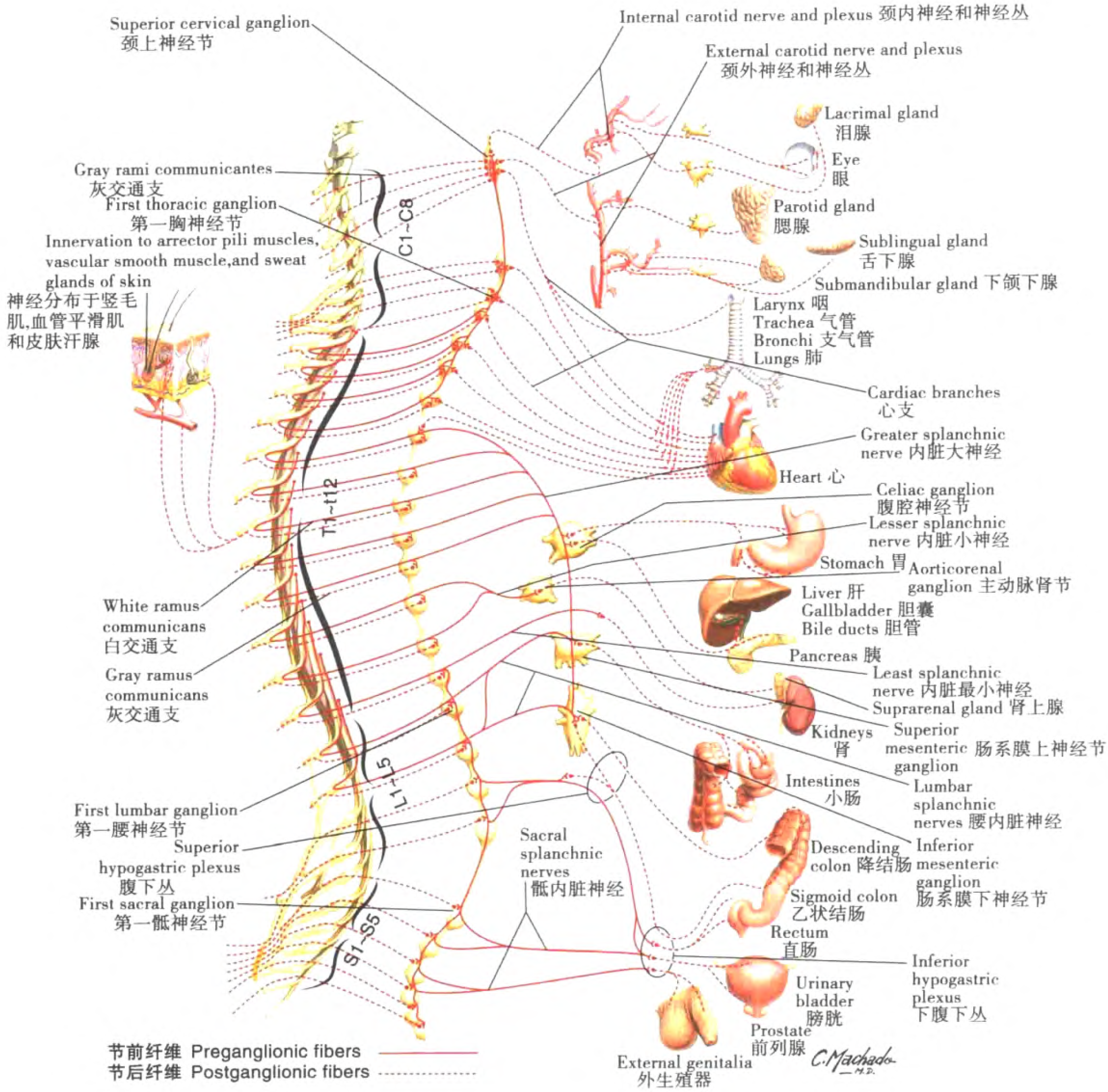
皮神经分布示意图显示出明显的节段性。实际上相邻两个皮节存在相互重叠现象。Foerster曾提供另一种皮节示意图(参见参考资料)

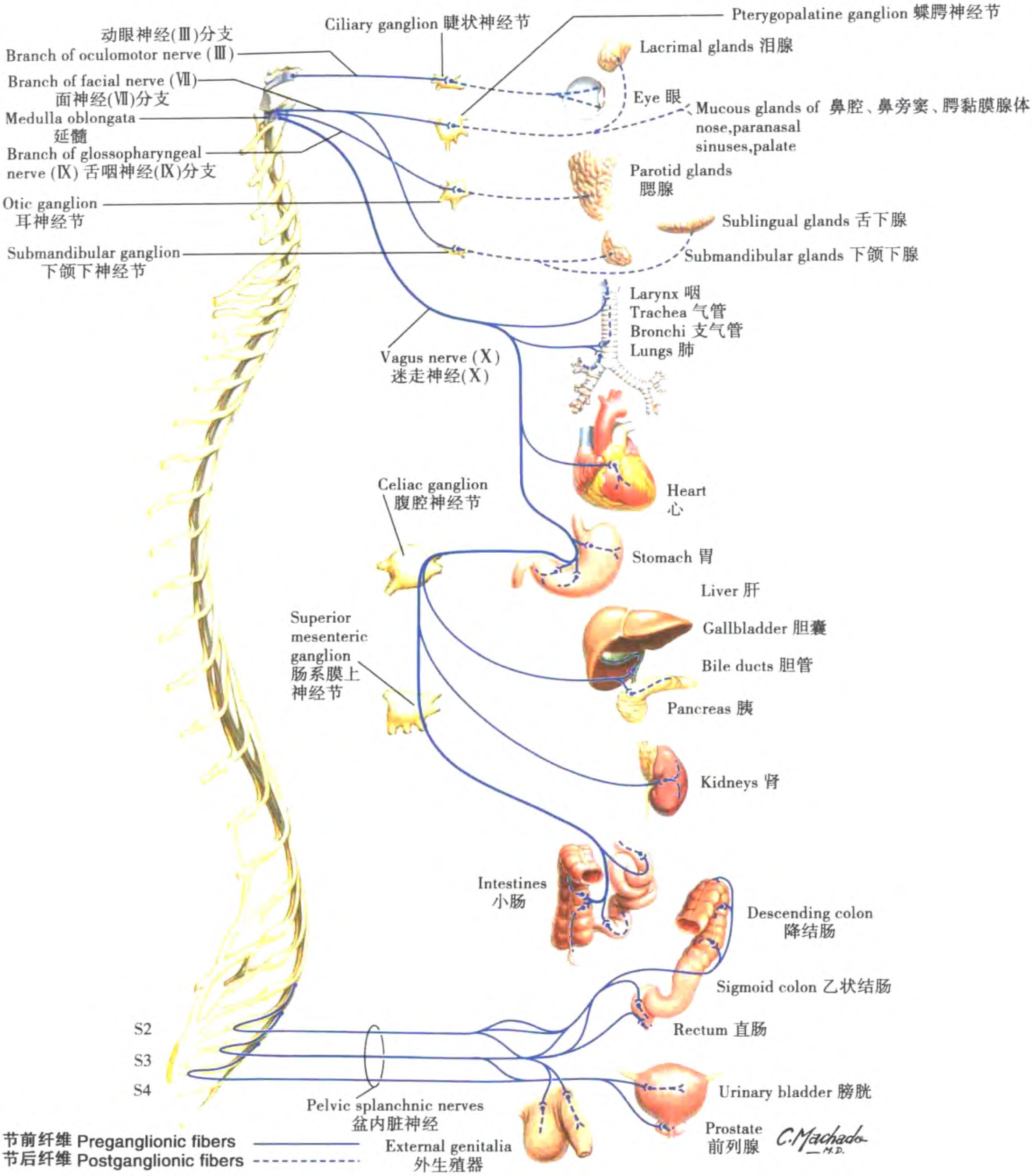
Schematic demarcation of dermatomes (according to Keegan and Garrett) shown as distinct segments. There is actually considerable overlap between any two adjacent dermatomes. An alternative dermatome map is that provided by Foerster (see References).



Levels of principal dermatomes 主要皮节平面	
C5	Clavicles 锁骨
C5,6	Lateral sides of upper limbs 上肢外侧部
C8,T1	Medial sides of upper limbs 上肢内侧部
C6	Digit I(thumb) 拇指
C6,7,8	Hand 手 环指和小指
C8	Digits Ⅳ and Ⅴ (ring and little fingers)
T4	Level of nipples 乳头平面
T10	Level of umbilicus 脐平面
L1	Inguinal region 腹股沟区
L1,2,3,4	Anterior and inner surfaces of lower limbs 下肢前面和内侧面
L4,5,S1	Foot 足
L4	Medial side digit I (great toe) (踇趾)内侧面
L5,S1,2	Lateral and posterior surfaces of lower limbs 下肢后面和外侧面
S1	Lateral margin of foot and digit V (little toe) 足和小趾外侧缘
S2,3,4	Perineum 会阴

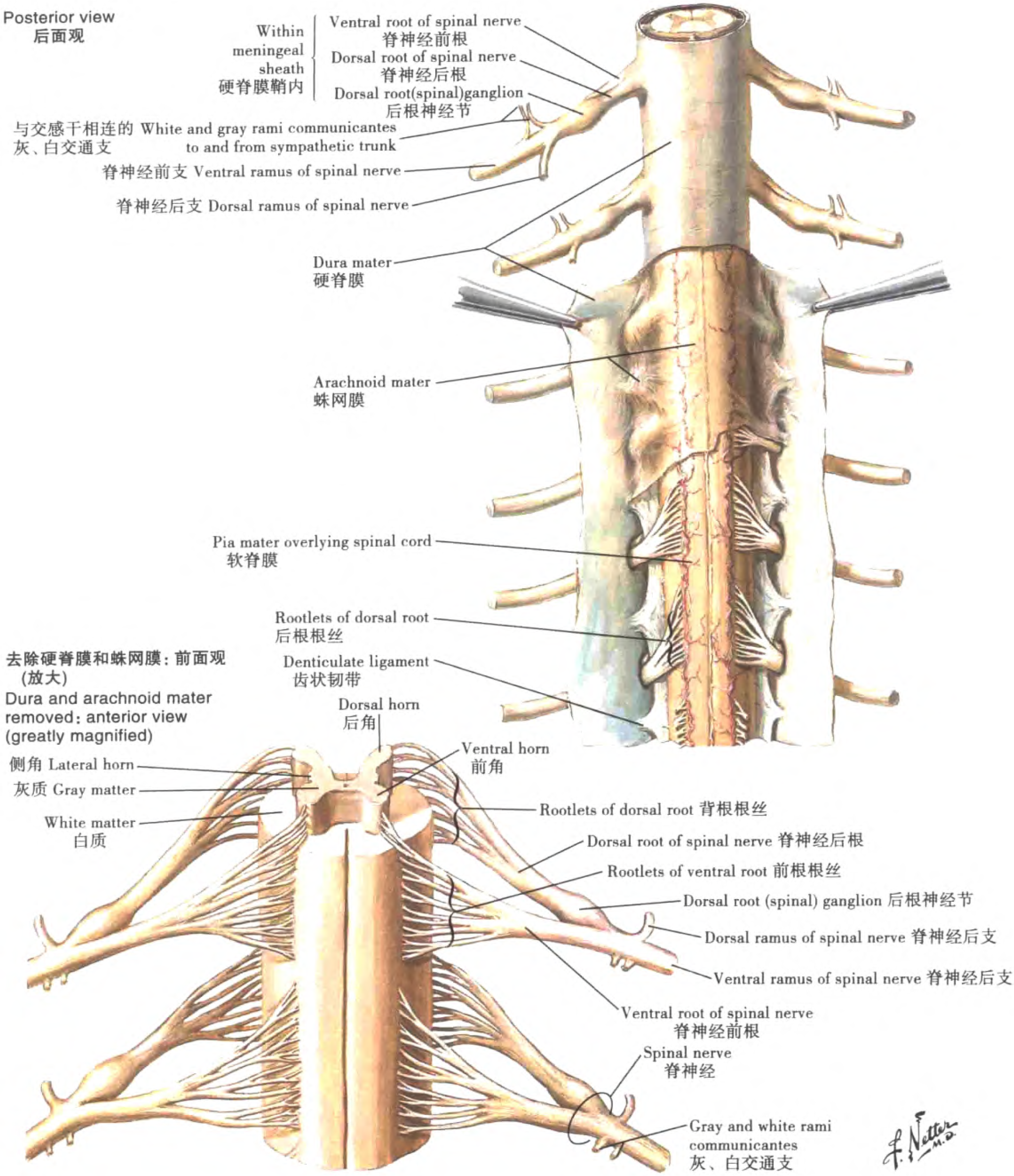
参见图 206,317,319



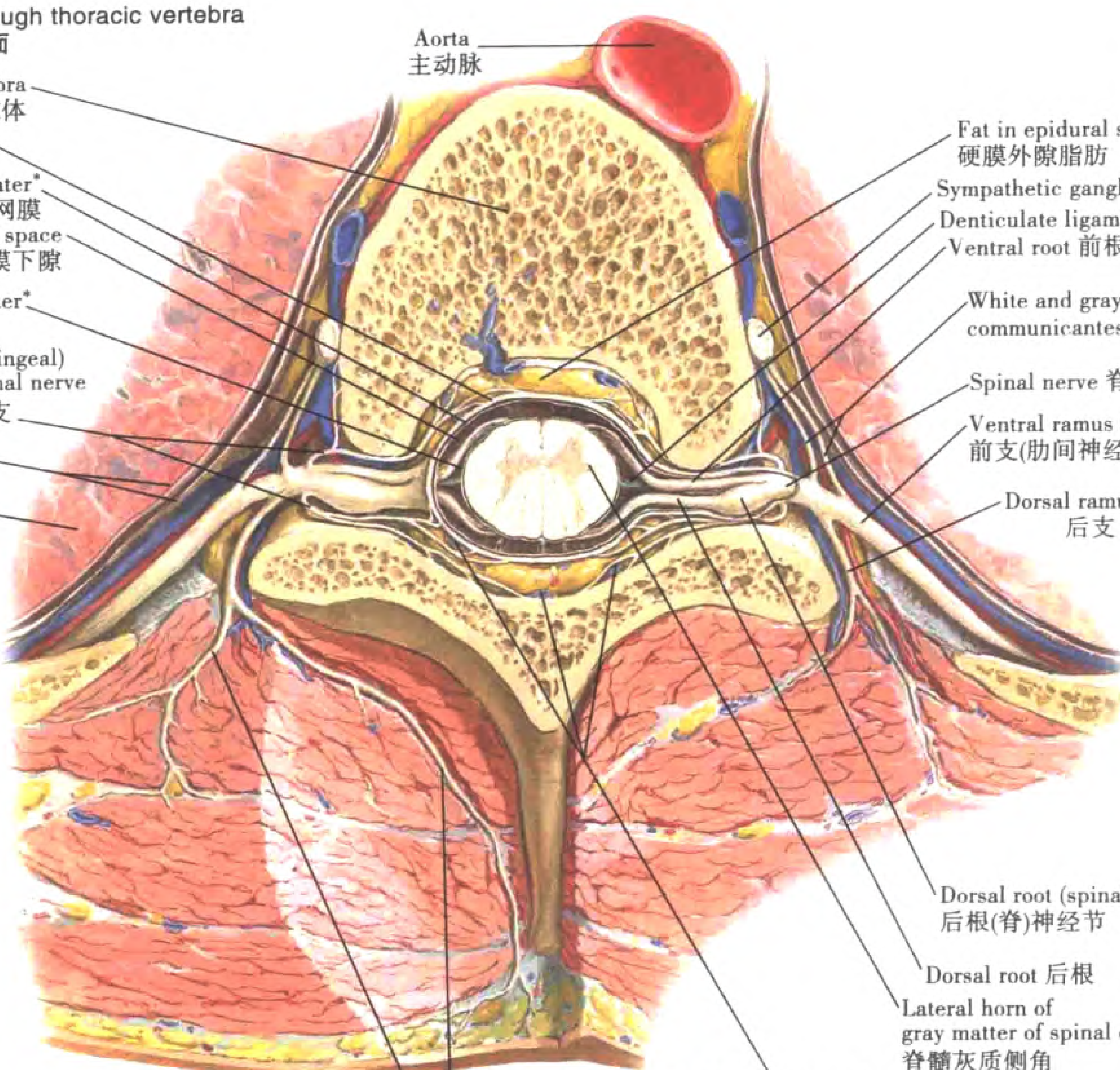


Ciliary ganglion 睫状神经节
Pterygopalatine ganglion 蝶腭神经节
动眼神经(Ⅲ)分支
Branch of oculomotor nerve (Ⅲ)
Lacrimal glands 泪腺
Branch of facial nerve (Ⅶ)
面神经(Ⅶ)分支
Eye 眼
Medulla oblongata
延髓
Mucous glands of nose,paranasal sinuses,palate 鼻腔、鼻旁窦、腭黏膜腺体
Branch of glossopharyngeal nerve (Ⅸ) 舌咽神经(Ⅸ)分支
Parotid glands
腮腺
Otic ganglion
耳神经节
Sublingual glands 舌下腺
Submandibular ganglion
下颌下神经节
Submandibular glands 下颌下腺
Larynx 咽
Trachea 气管
Bronchi 支气管
Lungs 肺
Vagus nerve (Ⅹ)
迷走神经(Ⅹ)
Heart
心
Celiac ganglion
腹腔神经节
Stomach 胃
Liver 肝
Superior mesenteric ganglion
肠系膜上神经节
Gallbladder 胆囊
Bile ducts 胆管
Pancreas 胰
Kidneys 肾
Intestines
小肠
Descending colon
降结肠
Sigmoid colon 乙状结肠
S2
Rectum 直肠
S3
S4
Urinary bladder 膀胱
Pelvic splanchnic nerves
盆内脏神经
Prostate
前列腺
节前纤维 Preganglionic fibers
节后纤维 Postganglionic fibers
External genitalia
外生殖器
C. Machado M.D.

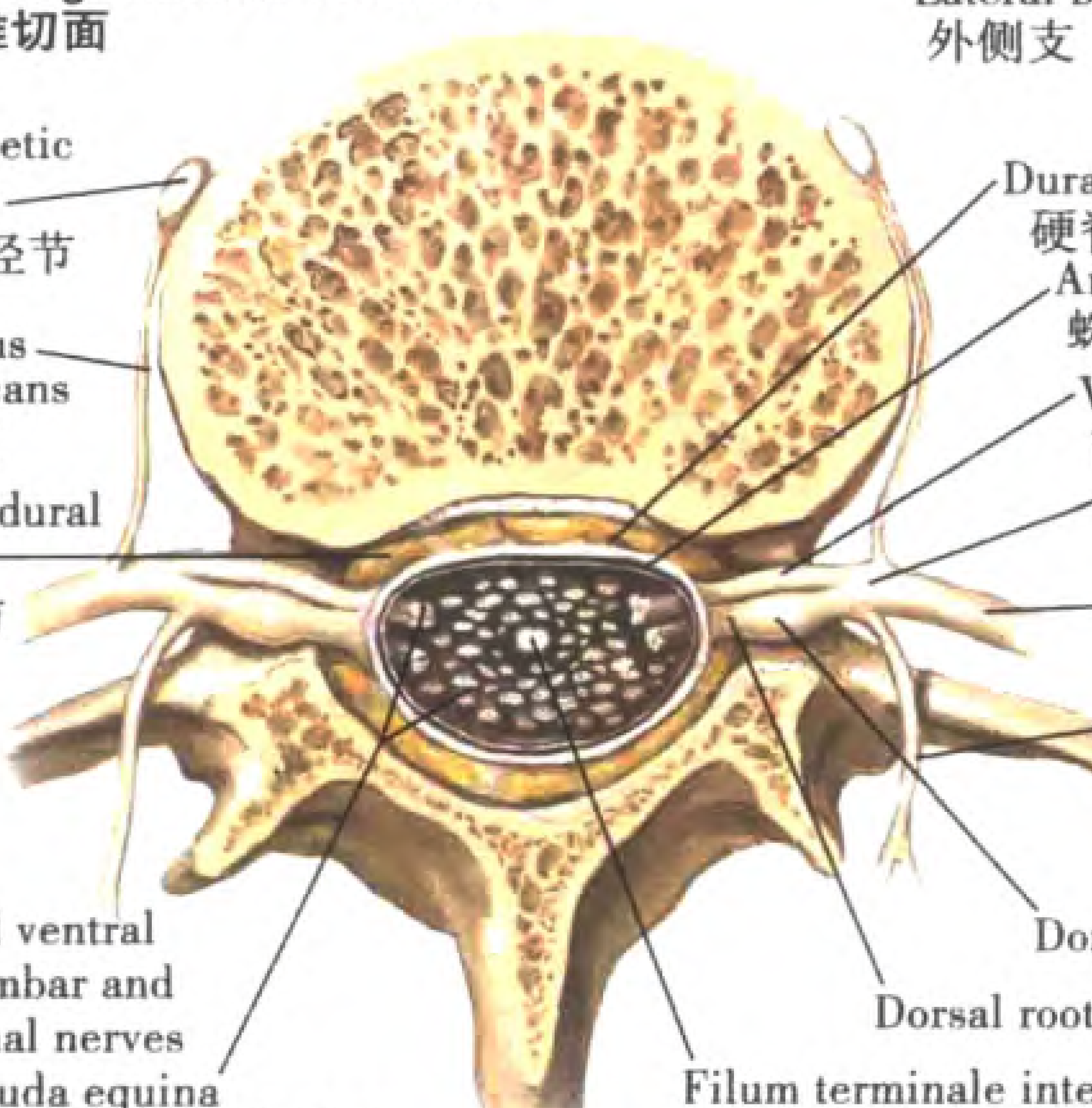
图 164　脊髓


Posterior view
后面观
Within meningeal sheath
硬脊膜鞘内
Ventral root of spinal nerve
脊神经前根
Dorsal root of spinal nerve
脊神经后根
Dorsal root(spinal)ganglion
后根神经节
与交感干相连的灰、白交通支 White and gray rami communicantes to and from sympathetic trunk
脊神经前支 Ventral ramus of spinal nerve
脊神经后支 Dorsal ramus of spinal nerve
Dura mater
硬脊膜
Arachnoid mater
蛛网膜
Pia mater overlying spinal cord
软脊膜
Rootlets of dorsal root
后根根丝
Denticulate ligament
齿状韧带
去除硬脊膜和蛛网膜：前面观
(放大)
Dura and arachnoid mater removed: anterior view
(greatly magnified)
Dorsal horn
后角
Ventral horn
前角
侧角 Lateral horn
灰质 Gray matter
White matter
白质
Rootlets of dorsal root 背根根丝
Dorsal root of spinal nerve 脊神经后根
Rootlets of ventral root 前根根丝
Dorsal root (spinal) ganglion 后根神经节
Dorsal ramus of spinal nerve 脊神经后支
Ventral ramus of spinal nerve 脊神经后支
Ventral root of spinal nerve
脊神经前根
Spinal nerve
脊神经
Gray and white rami communicantes
灰、白交通支

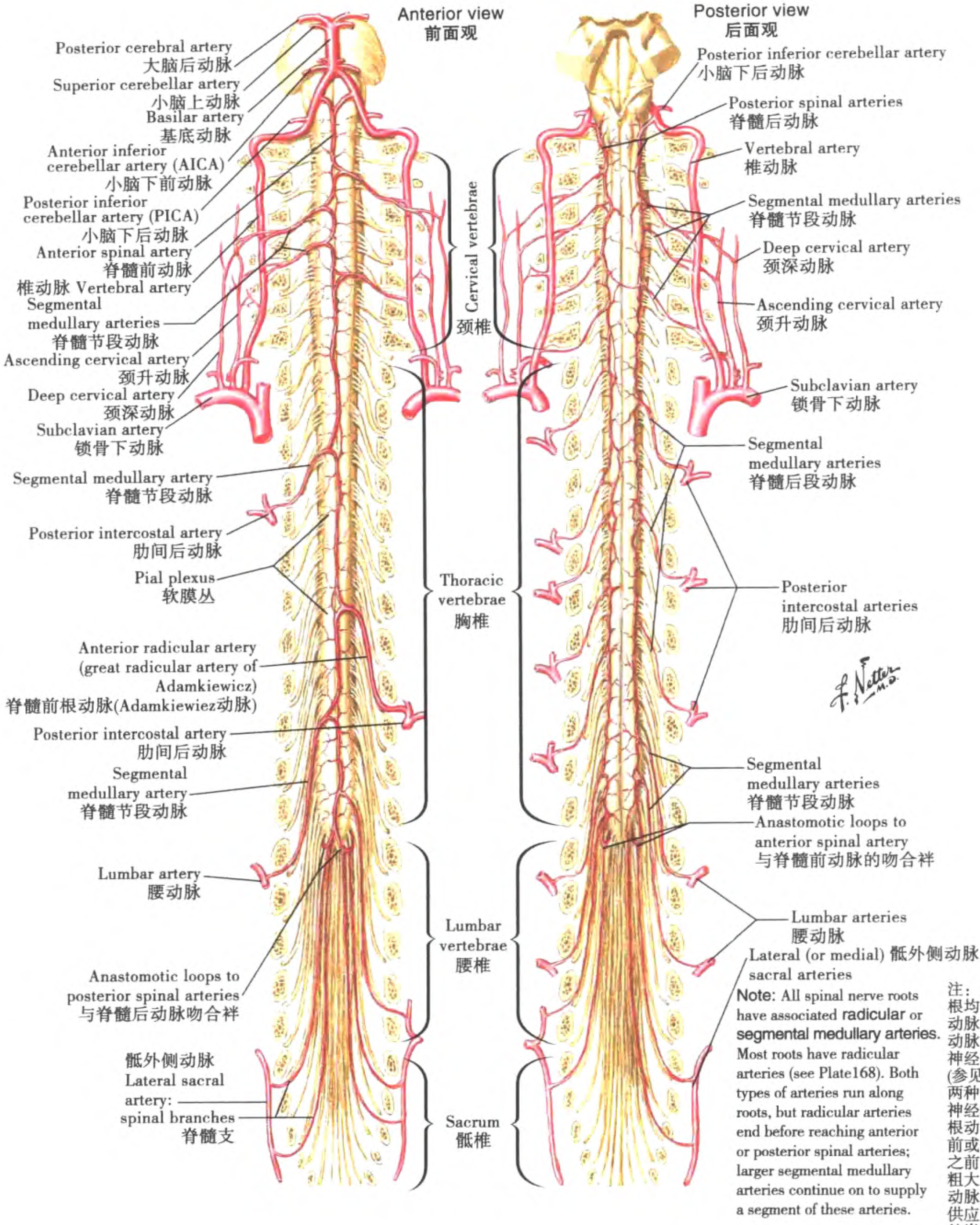
Section through thoracic vertebra
经胸椎切面



Section through lumbar vertebra
经腰椎切面

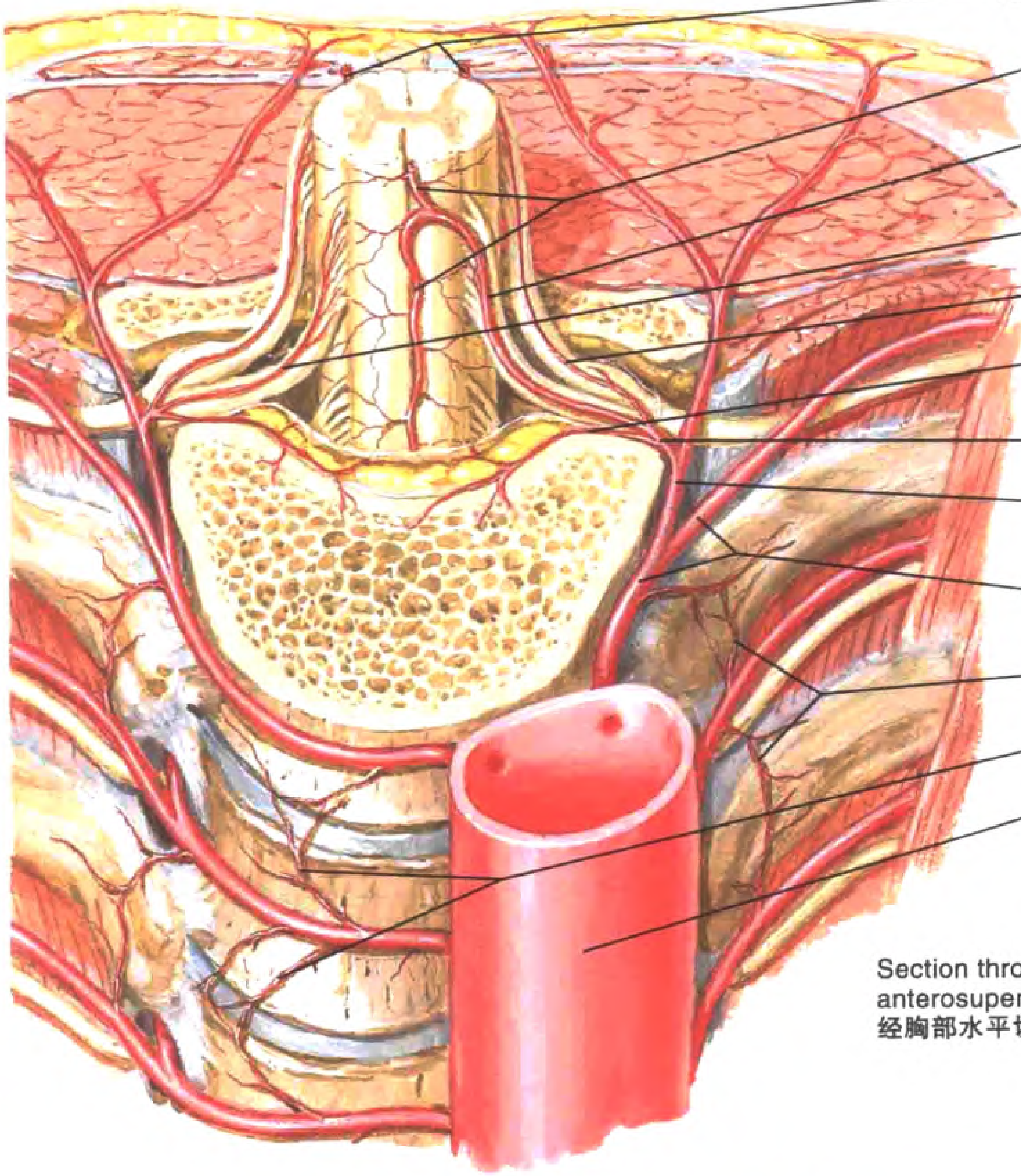


*Leptomeninges
软膜

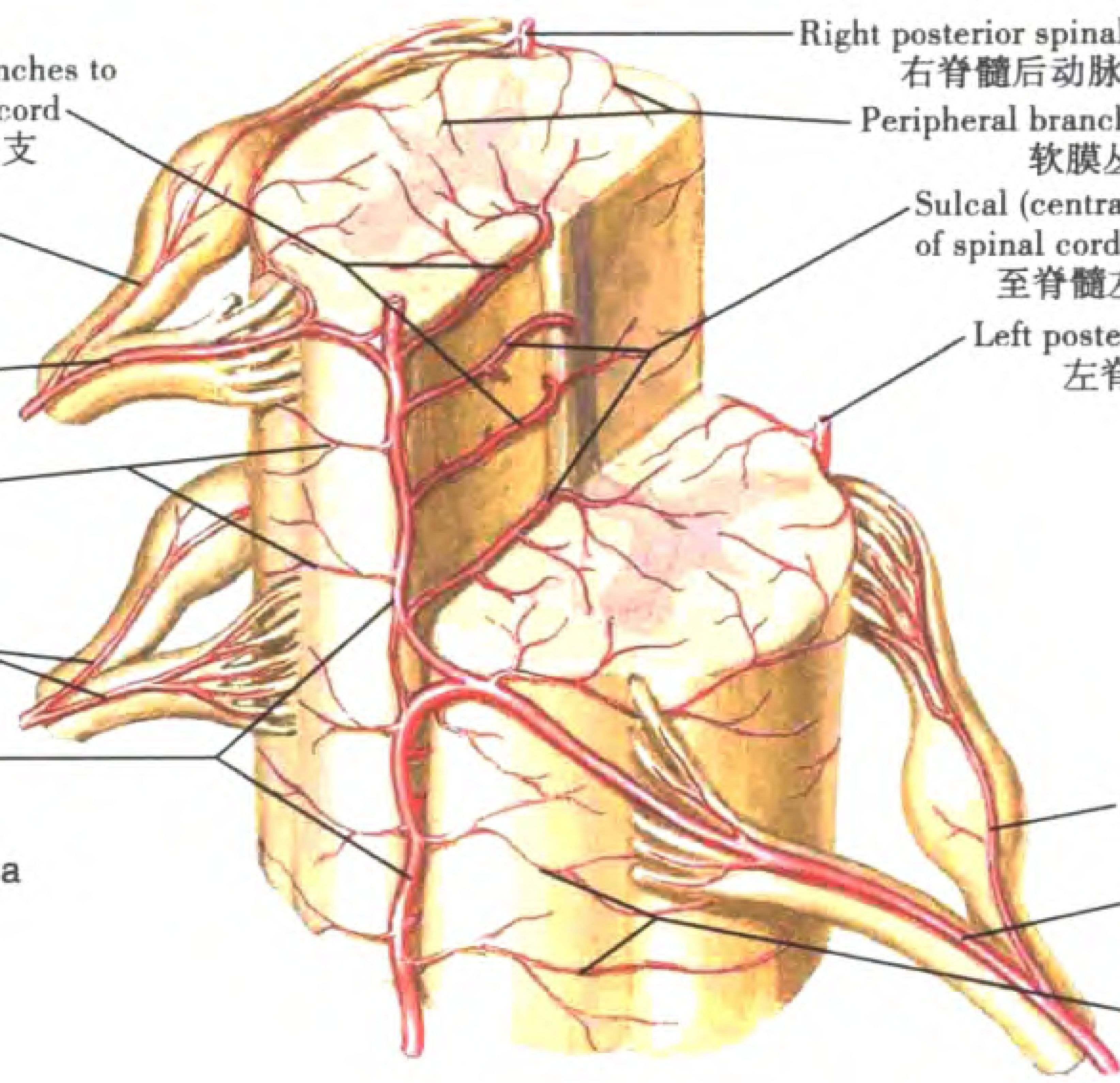


Note: All spinal nerve roots have associated **radicular** or **segmental medullary arteries.** Most roots have radicular arteries (see Plate168). Both types of arteries run along roots, but radicular arteries end before reaching anterior or posterior spinal arteries; larger segmental medullary arteries continue on to supply a segment of these arteries.

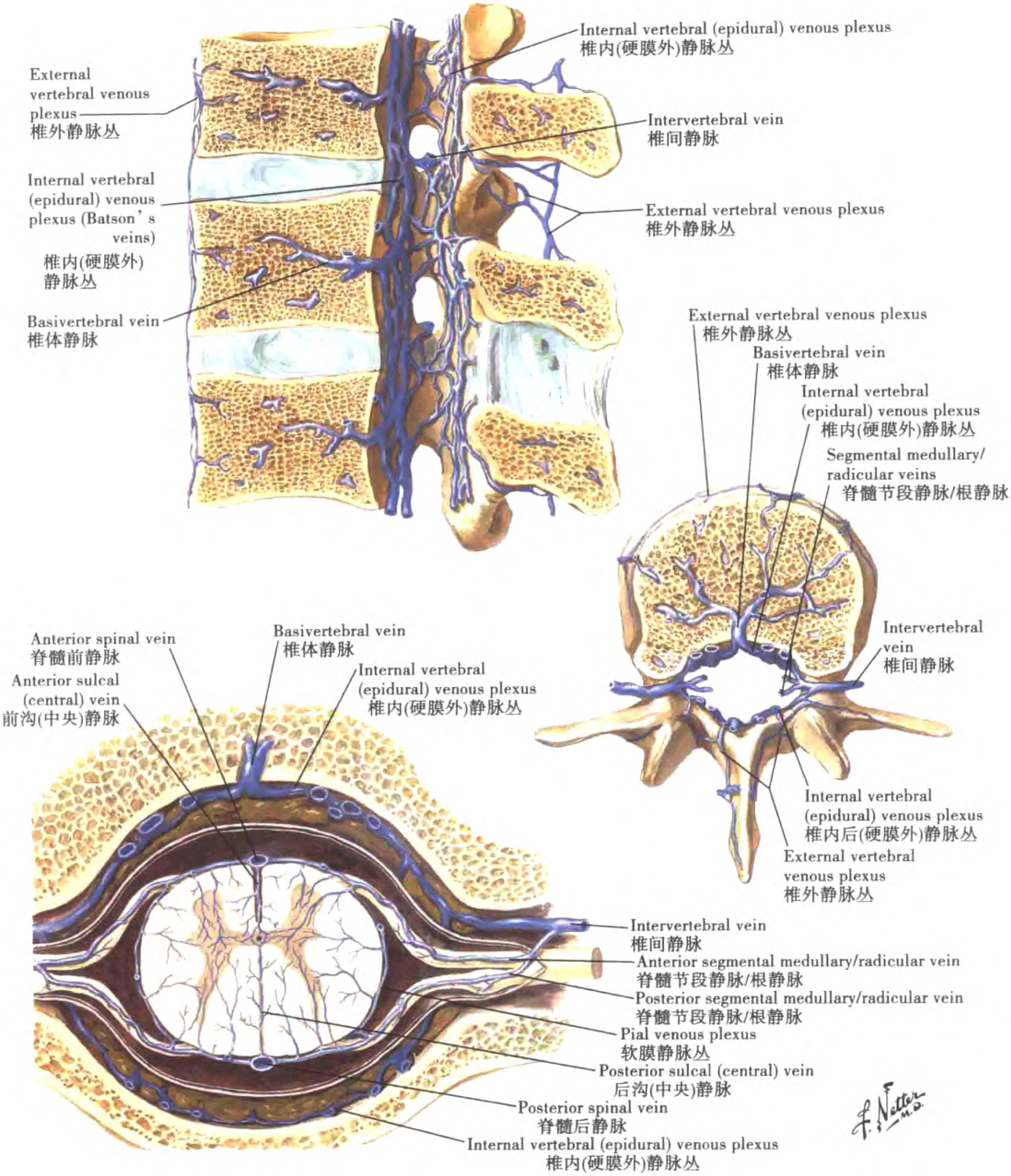
注：所有脊神经根均有伴行的根动脉或脊髓节段动脉。大多数脊神经根有根动脉(参见168)。两种动脉都沿脊神经根走行，但根动脉到达脊髓前或脊髓后动脉之前已终止，较粗大的脊髓节段动脉继续延伸，供应这些根动脉的脊髓节段

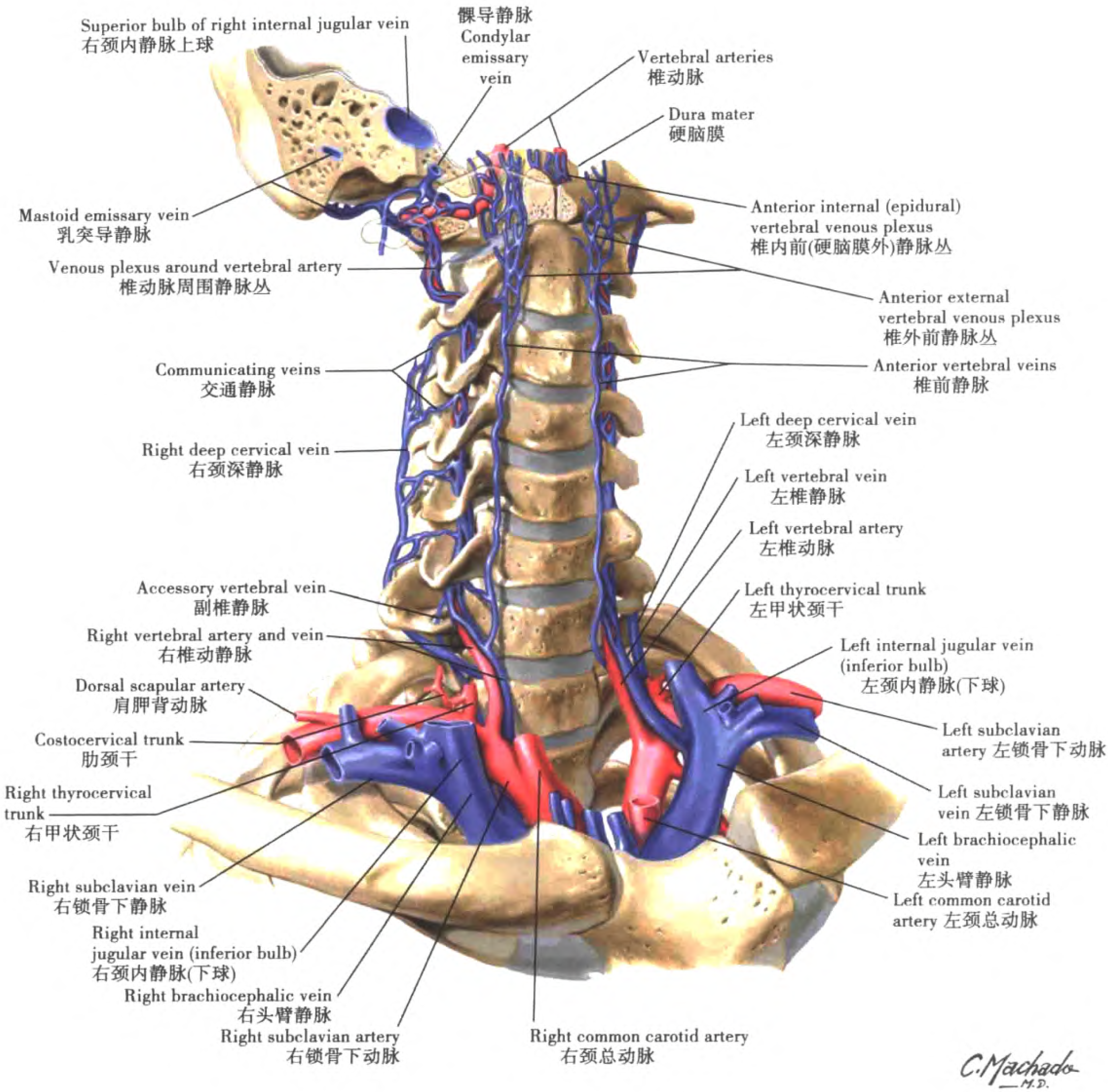


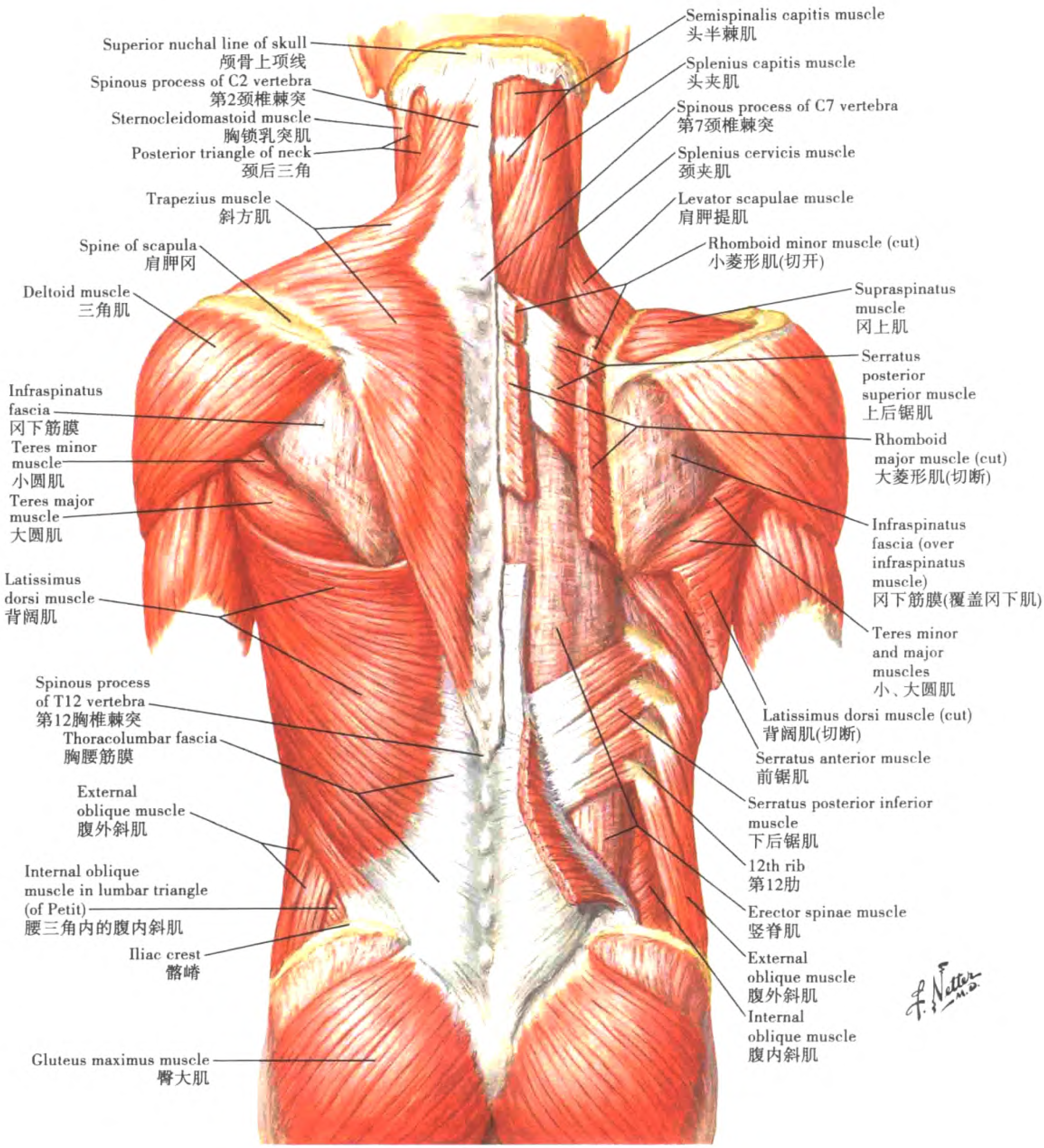
Section through thoracic level: anterosuperior view
经胸部水平切面：前上面观

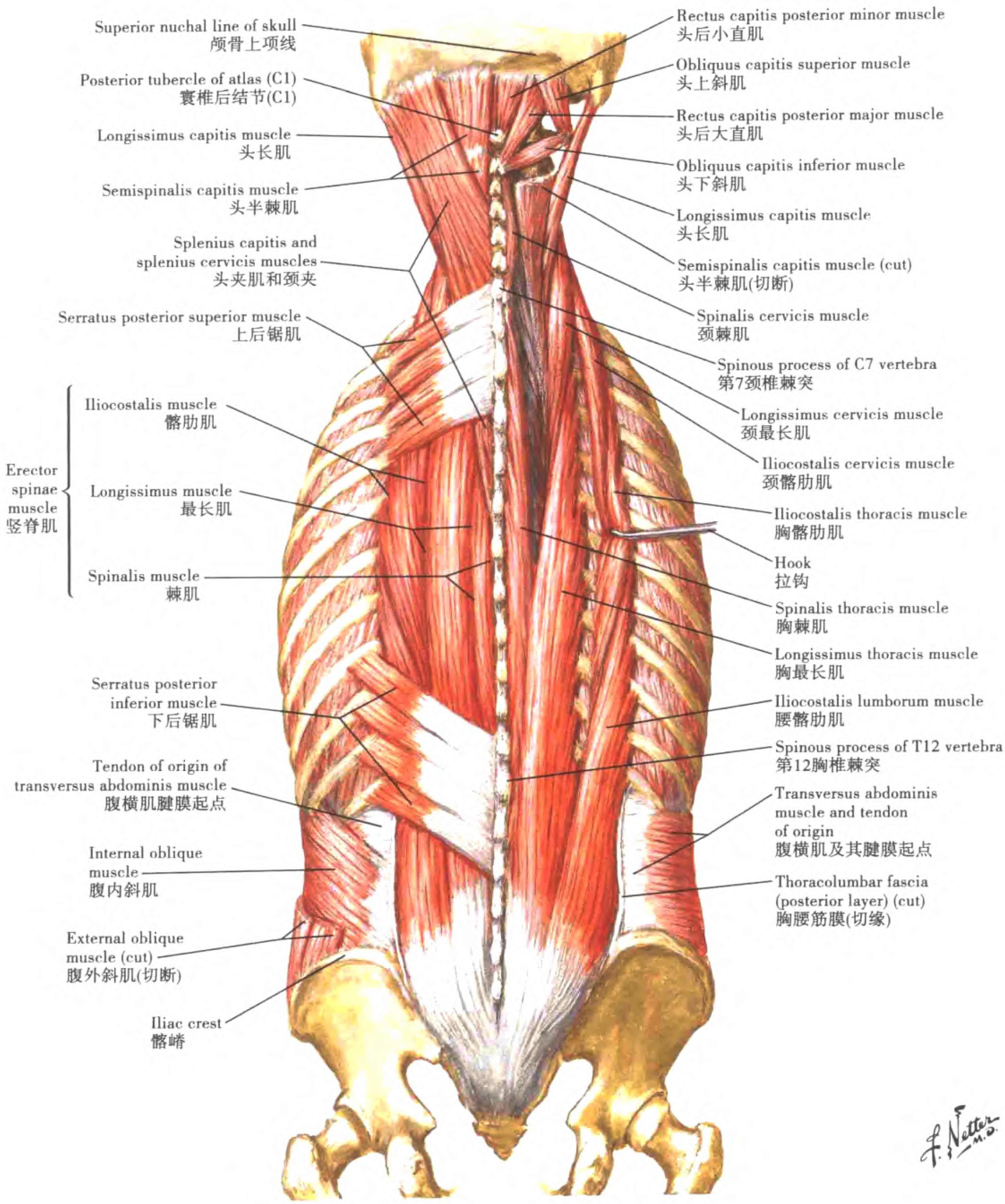


Arterial distribution: schema
动脉分布：示意图

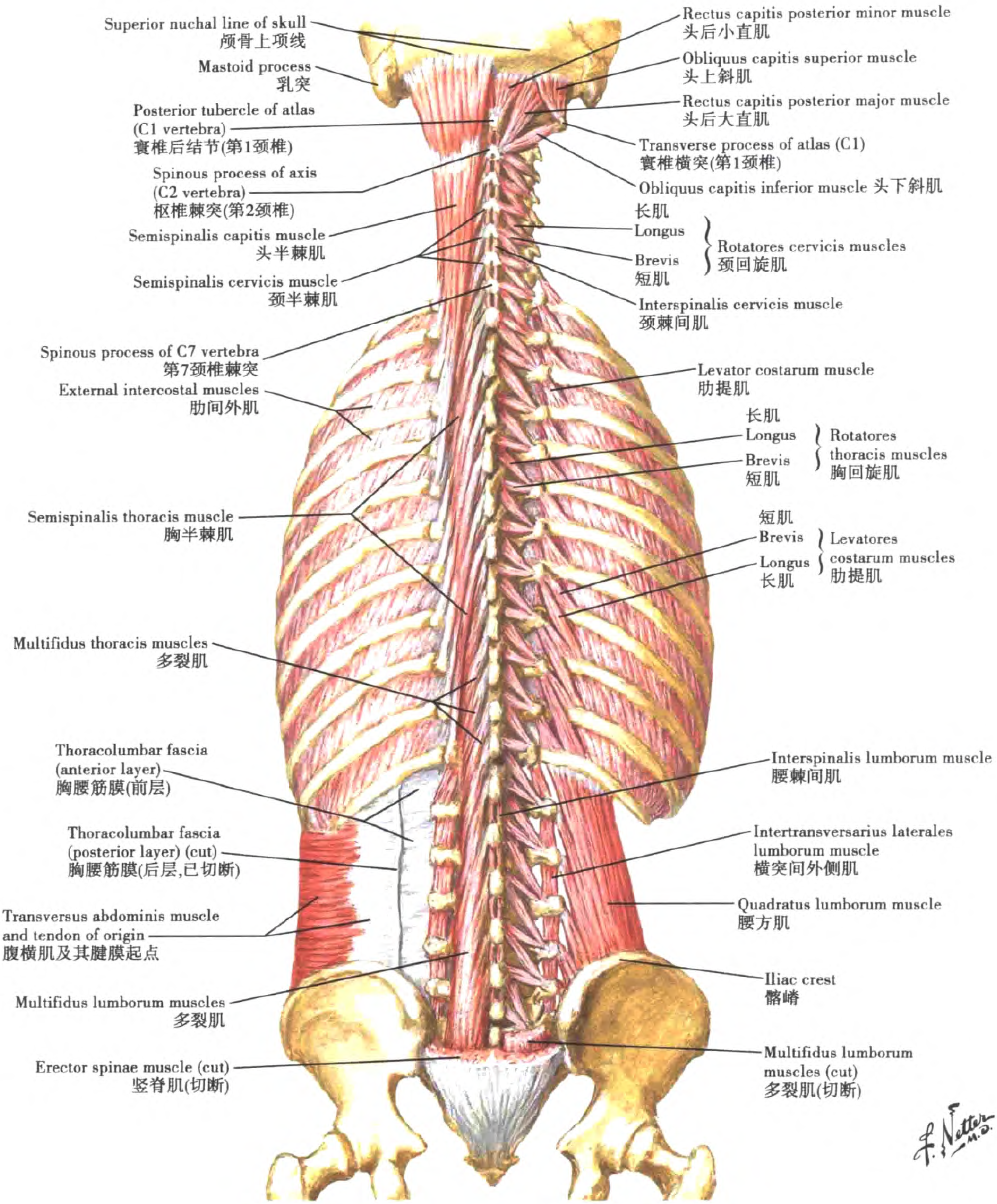

Internal vertebral (epidural) venous plexus
椎内(硬膜外)静脉丛
External vertebral venous plexus
椎外静脉丛
Intervertebral vein
椎间静脉
Internal vertebral (epidural) venous plexus (Batson's veins)
椎内(硬膜外)静脉丛
External vertebral venous plexus
椎外静脉丛
Basivertebral vein
椎体静脉
External vertebral venous plexus
椎外静脉丛
Basivertebral vein
椎体静脉
Internal vertebral (epidural) venous plexus
椎内(硬膜外)静脉丛
Segmental medullary/radicular veins
脊髓节段静脉/根静脉
Intervertebral vein
椎间静脉
Internal vertebral (epidural) venous plexus
椎内后(硬膜外)静脉丛
External vertebral venous plexus
椎外静脉丛
Anterior spinal vein
脊髓前静脉
Anterior sulcal (central) vein
前沟(中央)静脉
Basivertebral vein
椎体静脉
Internal vertebral (epidural) venous plexus
椎内(硬膜外)静脉丛
Intervertebral vein
椎间静脉
Anterior segmental medullary/radicular vein
脊髓节段静脉/根静脉
Posterior segmental medullary/radicular vein
脊髓节段静脉/根静脉
Pial venous plexus
软膜静脉丛
Posterior sulcal (central) vein
后沟(中央)静脉
Posterior spinal vein
脊髓后静脉
Internal vertebral (epidural) venous plexus
椎内(硬膜外)静脉丛
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Superior bulb of right internal jugular vein
右颈内静脉上球
髁导静脉
Condylar emissary vein
Vertebral arteries
椎动脉
Dura mater
硬脑膜
Mastoid emissary vein
乳突导静脉
Anterior internal (epidural) vertebral venous plexus
椎内前(硬脑膜外)静脉丛
Venous plexus around vertebral artery
椎动脉周围静脉丛
Anterior external vertebral venous plexus
椎外前静脉丛
Communicating veins
交通静脉
Anterior vertebral veins
椎前静脉
Left deep cervical vein
左颈深静脉
Right deep cervical vein
右颈深静脉
Left vertebral vein
左椎静脉
Left vertebral artery
左椎动脉
Accessory vertebral vein
副椎静脉
Left thyrocervical trunk
左甲状颈干
Right vertebral artery and vein
右椎动静脉
Left internal jugular vein (inferior bulb)
左颈内静脉(下球)
Dorsal scapular artery
肩胛背动脉
Costocervical trunk
肋颈干
Left subclavian artery 左锁骨下动脉
Right thyrocervical trunk
右甲状颈干
Left subclavian vein 左锁骨下静脉
Left brachiocephalic vein
左头臂静脉
Right subclavian vein
右锁骨下静脉
Left common carotid artery 左颈总动脉
Right internal jugular vein (inferior bulb)
右颈内静脉(下球)
Right brachiocephalic vein
右头臂静脉
Right subclavian artery
右锁骨下动脉
Right common carotid artery
右颈总动脉
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Superior nuchal line of skull
颅骨上项线
Spinous process of C2 vertebra
第2颈椎棘突
Sternocleidomastoid muscle
胸锁乳突肌
Posterior triangle of neck
颈后三角
Trapezius muscle
斜方肌
Spine of scapula
肩胛冈
Deltoid muscle
三角肌
Infraspinatus fascia
冈下筋膜
Teres minor muscle
小圆肌
Teres major muscle
大圆肌
Latissimus dorsi muscle
背阔肌
Spinous process of T12 vertebra
第12胸椎棘突
Thoracolumbar fascia
胸腰筋膜
External oblique muscle
腹外斜肌
Internal oblique muscle in lumbar triangle (of Petit)
腰三角内的腹内斜肌
Iliac crest
髂嵴
Gluteus maximus muscle
臀大肌
Semispinalis capitis muscle
头半棘肌
Splenius capitis muscle
头夹肌
Spinous process of C7 vertebra
第7颈椎棘突
Splenius cervicis muscle
颈夹肌
Levator scapulae muscle
肩胛提肌
Rhomboid minor muscle (cut)
小菱形肌(切开)
Supraspinatus muscle
冈上肌
Serratus posterior superior muscle
上后锯肌
Rhomboid major muscle (cut)
大菱形肌(切断)
Infraspinatus fascia (over infraspinatus muscle)
冈下筋膜(覆盖冈下肌)
Teres minor and major muscles
小、大圆肌
Latissimus dorsi muscle (cut)
背阔肌(切断)
Serratus anterior muscle
前锯肌
Serratus posterior inferior muscle
下后锯肌
12th rib
第12肋
Erector spinae muscle
竖脊肌
External oblique muscle
腹外斜肌
Internal oblique muscle
腹内斜肌



Superior nuchal line of skull
颅骨上项线
Posterior tubercle of atlas (C1)
寰椎后结节(C1)
Longissimus capitis muscle
头长肌
Semispinalis capitis muscle
头半棘肌
Splenius capitis and splenius cervicis muscles
头夹肌和颈夹
Serratus posterior superior muscle
上后锯肌
Erector spinae muscle
竖脊肌
Iliocostalis muscle
髂肋肌
Longissimus muscle
最长肌
Spinalis muscle
棘肌
Serratus posterior inferior muscle
下后锯肌
Tendon of origin of transversus abdominis muscle
腹横肌腱膜起点
Internal oblique muscle
腹内斜肌
External oblique muscle (cut)
腹外斜肌(切断)
Iliac crest
髂嵴
Rectus capitis posterior minor muscle
头后小直肌
Obliquus capitis superior muscle
头上斜肌
Rectus capitis posterior major muscle
头后大直肌
Obliquus capitis inferior muscle
头下斜肌
Longissimus capitis muscle
头长肌
Semispinalis capitis muscle (cut)
头半棘肌(切断)
Spinalis cervicis muscle
颈棘肌
Spinous process of C7 vertebra
第7颈椎棘突
Longissimus cervicis muscle
颈最长肌
Iliocostalis cervicis muscle
颈髂肋肌
Iliocostalis thoracis muscle
胸髂肋肌
Hook
拉钩
Spinalis thoracis muscle
胸棘肌
Longissimus thoracis muscle
胸最长肌
Iliocostalis lumborum muscle
腰髂肋肌
Spinous process of T12 vertebra
第12胸椎棘突
Transversus abdominis muscle and tendon of origin
腹横肌及其腱膜起点
Thoracolumbar fascia (posterior layer) (cut)
胸腰筋膜(切缘)
F. Netter M.D.


Superior nuchal line of skull
颅骨上项线
Mastoid process
乳突
Posterior tubercle of atlas (C1 vertebra)
寰椎后结节(第1颈椎)
Spinous process of axis (C2 vertebra)
枢椎棘突(第2颈椎)
Semispinalis capitis muscle
头半棘肌
Semispinalis cervicis muscle
颈半棘肌
Spinous process of C7 vertebra
第7颈椎棘突
External intercostal muscles
肋间外肌
Semispinalis thoracis muscle
胸半棘肌
Multifidus thoracis muscles
多裂肌
Thoracolumbar fascia (anterior layer)
胸腰筋膜(前层)
Thoracolumbar fascia (posterior layer) (cut)
胸腰筋膜(后层,已切断)
Transversus abdominis muscle and tendon of origin
腹横肌及其腱膜起点
Multifidus lumborum muscles
多裂肌
Erector spinae muscle (cut)
竖脊肌(切断)
Rectus capitis posterior minor muscle
头后小直肌
Obliquus capitis superior muscle
头上斜肌
Rectus capitis posterior major muscle
头后大直肌
Transverse process of atlas (C1)
寰椎横突(第1颈椎)
Obliquus capitis inferior muscle 头下斜肌
长肌 Longus
Brevis 短肌
Rotatores cervicis muscles
颈回旋肌
Interspinalis cervicis muscle
颈棘间肌
Levator costarum muscle
肋提肌
长肌 Longus
Brevis 短肌
Rotatores thoracis muscles
胸回旋肌
短肌 Brevis
Longus 长肌
Levatores costarum muscles
肋提肌
Interspinalis lumborum muscle
腰棘间肌
Intertransversarius laterales lumborum muscle
横突间外侧肌
Quadratus lumborum muscle
腰方肌
Iliac crest
髂嵴
Multifidus lumborum muscles (cut)
多裂肌(切断)
F. Netter M.D.

参见图 409，481

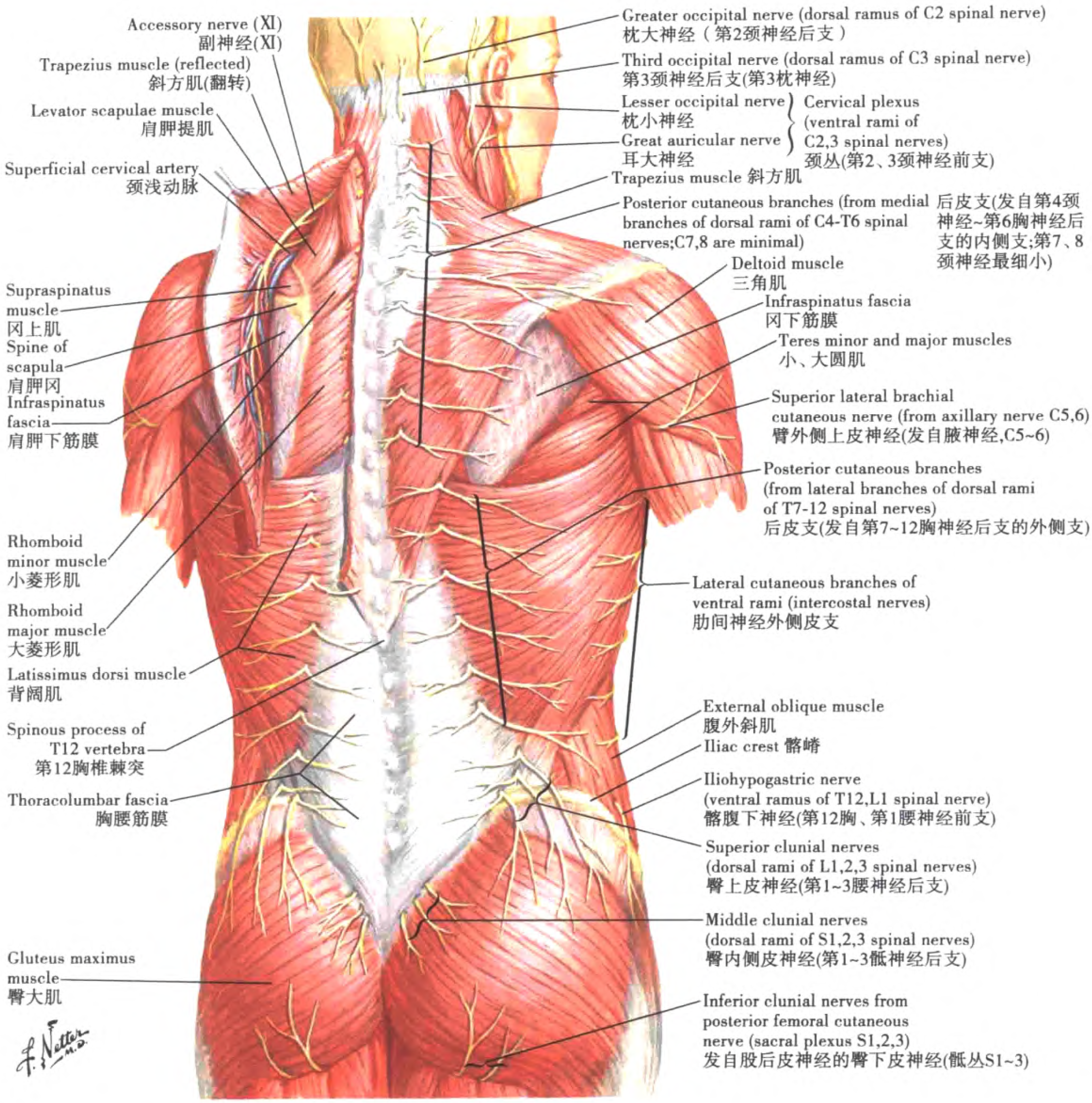
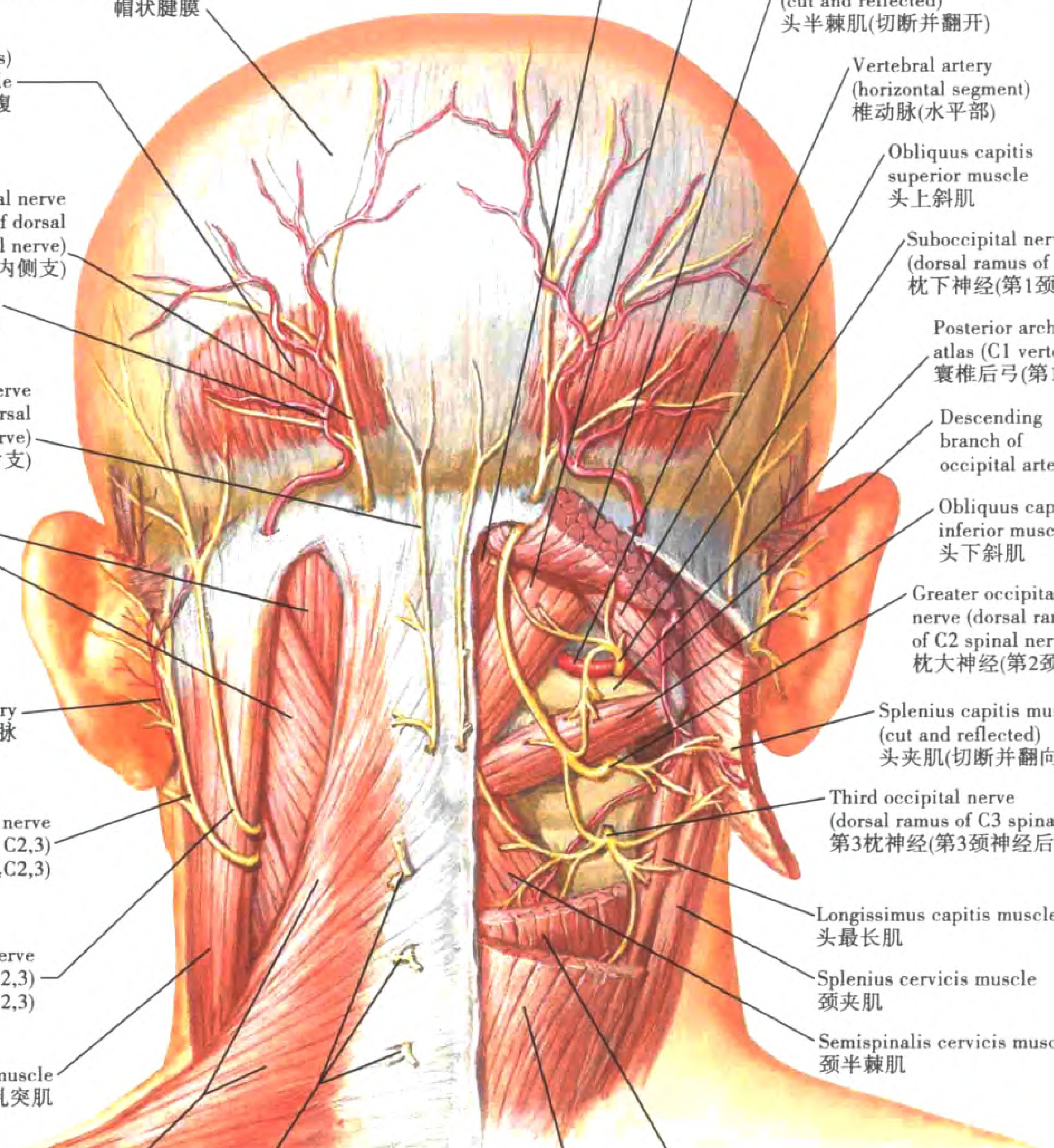
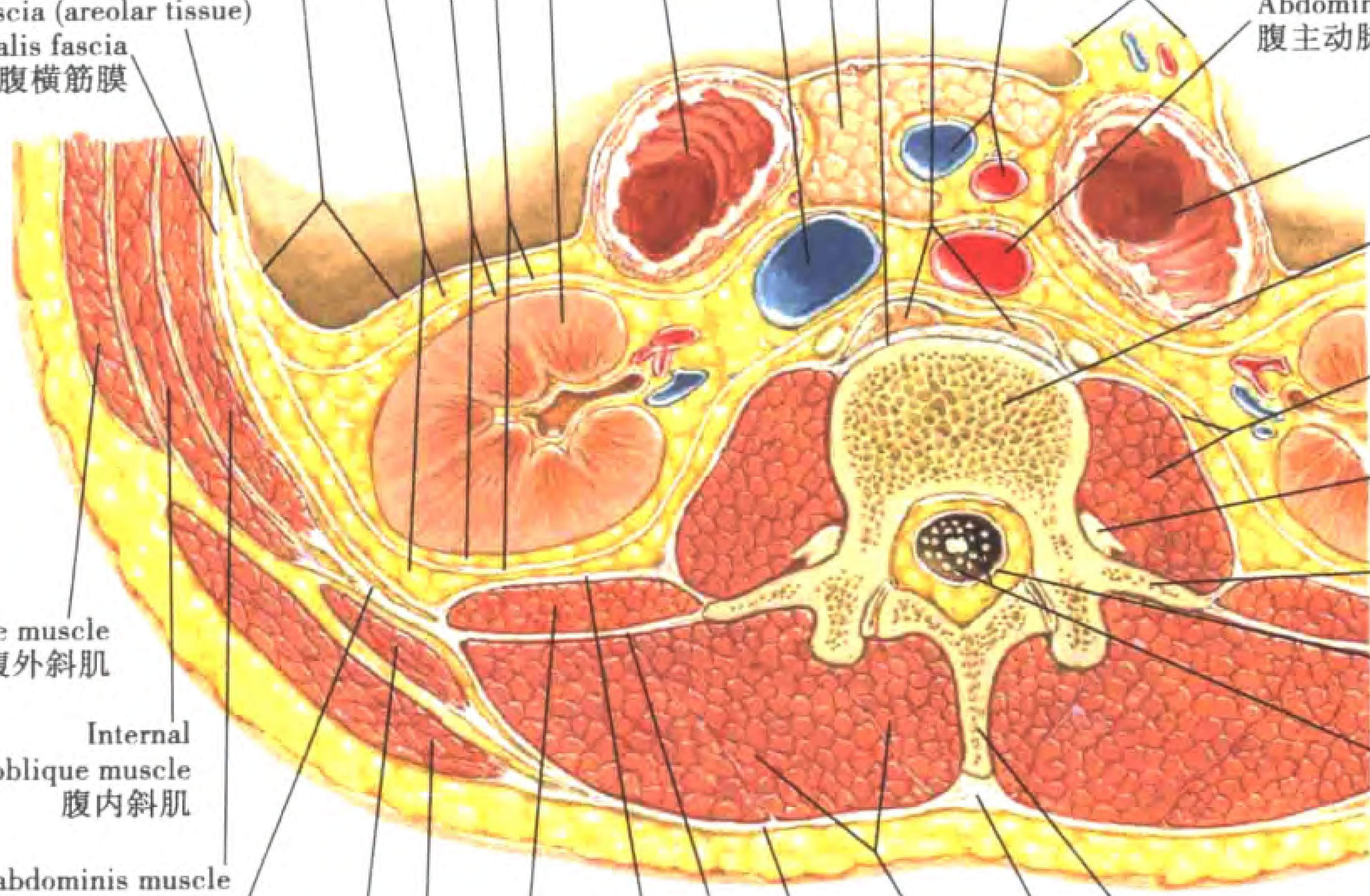


图 174　肌肉和神经

参见图 29,32



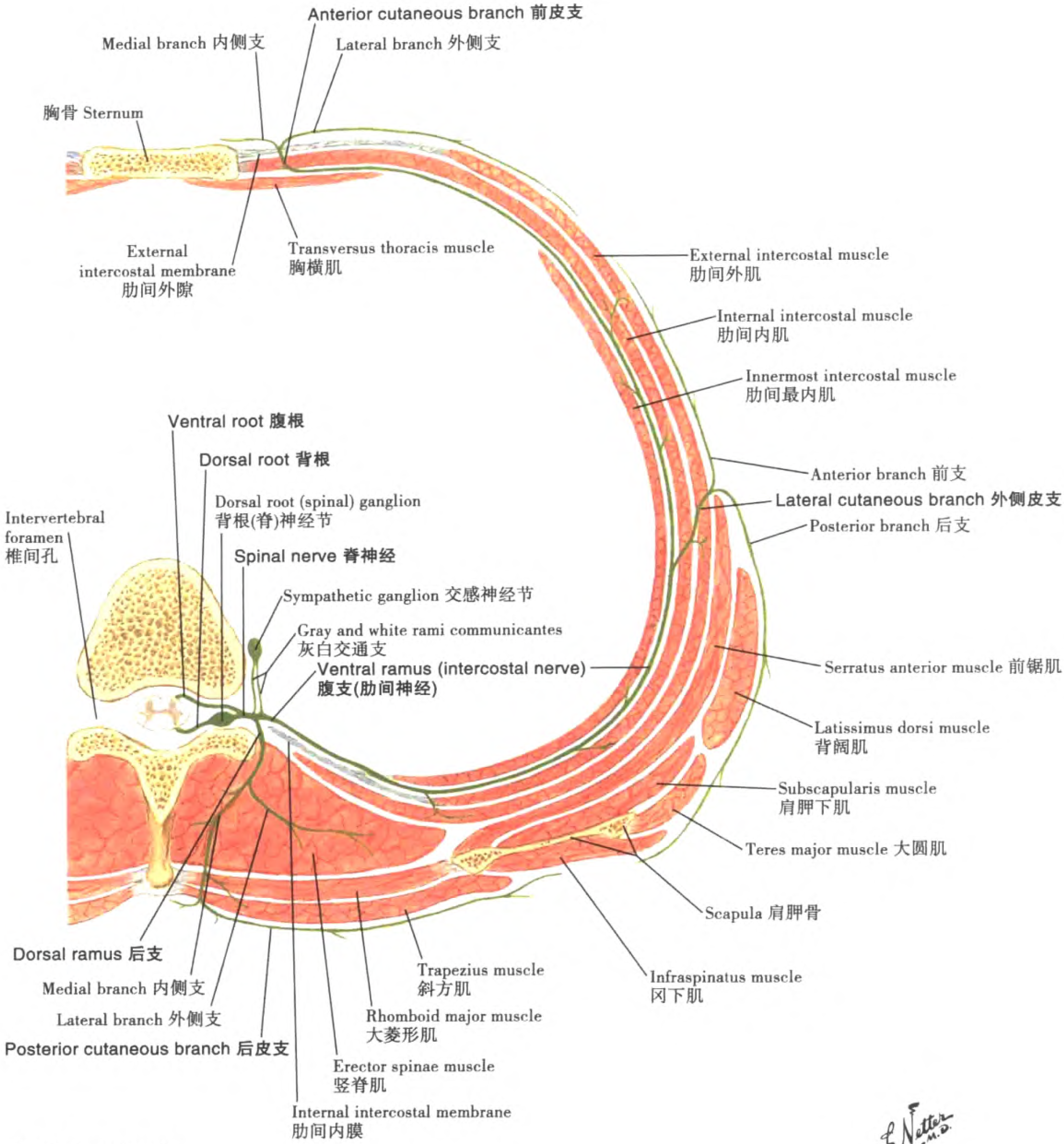
Rectus capitis posterior minor muscle 头后小直肌
Rectus capitis posterior major muscle 头后大直肌
Semispinalis capitis muscle (cut and reflected) 头半棘肌(切断并翻开)
Vertebral artery (horizontal segment) 椎动脉(水平部)
Obliquus capitis superior muscle 头上斜肌
Suboccipital nerve (dorsal ramus of C1 spinal nerve) 枕下神经(第1颈神经后支)
Posterior arch of atlas (C1 vertebra) 寰椎后弓(第1颈椎)
Descending branch of occipital artery 枕动脉降支
Obliquus capitis inferior muscle 头下斜肌
Greater occipital nerve (dorsal ramus of C2 spinal nerve) 枕大神经(第2颈神经后支)
Splenius capitis muscle (cut and reflected) 头夹肌(切断并翻向外)
Third occipital nerve (dorsal ramus of C3 spinal nerve) 第3枕神经(第3颈神经后支)
Longissimus capitis muscle 头最长肌
Splenius cervicis muscle 颈夹肌
Semispinalis cervicis muscle 颈半棘肌
Semispinalis capitis muscle (cut) 头半棘肌(切断)
Splenius capitis muscle (cut) 头夹肌(切断)
Epicranial aponeurosis 帽状腱膜
Occipital belly (occipitalis) of occipitofrontalis muscle 枕额肌枕腹
Greater occipital nerve (medial branch of dorsal ramus of C2 spinal nerve) 枕大神经(第2颈神经后支内侧支)
Occipital artery 枕动脉
Third occipital nerve (medial branch of dorsal ramus of C3 spinal nerve) 第3枕神经(第3颈神经后支)
Semispinalis capitis and Splenius capitis muscles in posterior triangle of neck 在颈后三角内的头半棘肌和头夹肌
Posterior auricular artery 耳后动脉
Great auricular nerve (cervical plexus C2,3) 耳大神经(颈丛C2,3)
Lesser occipital nerve (cervical plexus C2,3) 枕小神经(颈丛C2,3)
Sternocleidomastoid muscle 胸锁乳突肌
Trapezius muscle 斜方肌
Posterior cutaneous branches of dorsal rami of C4,5,6 spinal nerves 第4、5、6颈神经后支的后皮支



Descending (2nd) part of duodenum
十二指肠降部
Kidney 肾
Renal fascia (anterior and posterior layers)
肾筋膜(前层和后层)
Perirenal fat 肾周脂肪
Pararenal fat 肾旁脂体
Peritoneum 腹膜
腹膜外(浆膜下)
筋膜(蜂窝组织)
Extraperitoneal (subserous)
fascia (areolar tissue)
Transversalis fascia
腹横筋膜
External oblique muscle
腹外斜肌
Internal
oblique muscle
腹内斜肌
Transversus abdominis muscle
腹横肌
Tendon of origin of
transversus abdominis and
internal oblique muscles
腹横肌和腹内斜肌腱膜起点
Serratus posterior inferior muscle
下后锯肌
Latissimus dorsi muscle
背阔肌
Quadratus lumborum muscle
腰方肌
Inferior vena cava 下腔静脉
Pancreas 胰
Anterior longitudinal ligament 前纵韧带
Crura of diaphragm 膈脚
Superior mesenteric artery and vein
肠系膜上动静脉
Mesentery 肠系膜
Abdominal aorta
腹主动脉
Duodenojejunal
junction
十二指肠空肠交界处
Body of L2 vertebra
第2腰椎体
Psoas major
muscle
and fascia
腰大肌及其筋膜
Lumbar
spinal nerve
腰神经
Transverse
process
横突
Spinal dura mater
硬脊膜
Cauda equina
马尾
Spinous process
of L1 vertebra
第1腰椎棘突
Supraspinous ligament
棘上韧带
Erector spinae and multifidus muscles
竖脊肌和多裂肌
Thoracolumbar fascia (posterior layer)
胸腰筋膜(后层)
Thoracolumbar fascia (middle layer)
胸腰筋膜(中层)
Thoracolumbar fascia (anterior layer—
quadratus lumborum fascia)
胸腰筋膜(前层:腰方肌筋膜)

典型胸部脊神经:横切面

参见图 254



Note:In lower thoracic region,lateral branch of dorsal ramus is longer, motor,and cutaneous; medial branch is shorter and motor only.

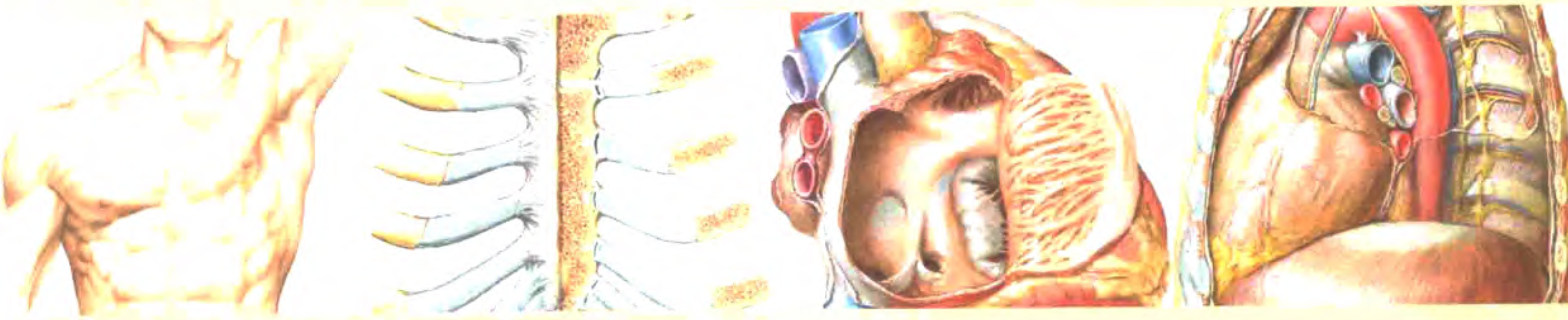
注释：在下胸部,脊神经后支发出的外侧支的运动支和皮支均较长,内侧支的运动支较短且仅有运动支

肌肉	近端附着(起点)	远端附着(止点)	神经分布	主要动作	血液供应	肌群
肾脊肌	骶骨后部,髂嵴,骶棘韧带,下段腰椎和骶骨棘突	髂肋肌:下部肋角,颈椎横突 最长肌,肋骨结节和肋角之间,胸椎颈椎横突,乳突 棘肌:上段胸椎和中段颈椎棘突	每一节段对应背支	后伸和侧屈脊柱和头部	颈部:枕动脉,颈深动脉和椎动脉 胸部:后肋间动脉背支,肋下动脉,腰动脉 骶骨部:髂外动脉背支	骶脊肌
棘间肌(颈胸腰)	棘突	相邻棘突	脊神经背支	辅助后伸脊柱	颈部:枕动脉、颈深动脉,椎动脉 胸部:后肋间动脉背支 骶骨部:腰动脉背支	局部肌
横突间肌(颈胸腰)	相邻椎体横突	相邻椎体横突	脊神经背支	辅助侧屈脊柱	颈部:枕动脉,颈深动脉,椎动脉 胸部:后肋间动脉背支,肋下动脉,腰动脉 骶骨部:腰动脉背支	局部肌
背阔肌	T7～L5 棘突,胸腰筋膜,髂嵴,最下三肋	肱部(结节间沟)	胸背神经	后伸外展内旋肱骨	胸背动脉,第 9、10、11 肋间后动脉背穿支,肋下动脉,上三条腰动脉	背部浅层肌
肩胛提肌	C1～C4 横突后结节	肩胛上角到脊柱内侧缘	C3～C4 腹支和肩胛背神经	提肩胛,内、下旋关节盂	肩胛背动脉,颈横动脉,颈升动脉	背部浅层肌
多裂肌	骶骨,髂骨 T1～T12 横突,C4～C7 关节突	以上椎体棘突,跨越两到四个节段	相应节段背支	稳定脊柱	颈部:枕动脉,颈深动脉,椎动脉 胸部:后肋间动脉背支,肋下动脉,腰动脉 骶骨部:腰动脉背支	横突棘肌
头下斜肌	枢椎	寰椎横突	枕下神经	旋转寰椎使脸转向同侧	椎动脉,枕动脉降支	枕下肌群
头上斜肌	寰椎横突	枕骨	枕下神经	前伸和侧屈头	椎动脉,枕动脉降支	枕下肌群
头后大直肌	枢椎	下项线	枕下神经	前伸和使头转向同侧	椎动脉,枕动脉降支	枕下肌群

脊神经分布、血液供应、附着点和肌肉功能的变异在解剖学中十分常见,故教科书之间预料范围内的不同和解剖变异是十分普遍的。

续表

肌肉	近端附着(起点)	远端附着(止点)	神经分布	主要动作	血液供应	肌群
头后小直肌	寰椎后弓结节	内下项线	枕下神经	前伸头部	椎动脉，枕动脉降支	枕下肌群
大菱形肌	T2～T5 棘突	肩胛冈下部肩胛骨内侧缘	肩胛背神经	固定肩胛骨，后移，旋转肩胛骨使关节盂下降	肩胛背动脉或颈横动脉深支，上五或六条肋间后动脉背穿支	背部浅层肌
小菱形肌	项韧带，C7 和 T1 椎体	肩胛冈下部肩胛骨内侧缘	肩胛背神经	固定肩胛骨，后移，旋转肩胛骨使关节盂下降	肩胛背动脉或颈横动脉深支，上五或六条肋间后动脉背穿支	背部浅层肌
回旋肌	颈胸腰椎横突	上述椎体横突及筋膜	脊神经背支	固定，前伸和旋转脊柱	节段动脉背支	横突棘肌
半棘肌	C4～T12 横突	颈椎胸椎棘突	脊神经背支	前伸头颈胸，旋以上部位至对侧	颈部：枕动脉，颈深动脉，椎动脉 胸部：肋间后动脉背支	横突棘肌
下后锯肌	T11～L2 棘突	9～12 肋下面	下部胸神经腹支	降肋	肋间后动脉	背部中层肌
上后锯肌	项韧带 C7～T3 棘突	2～4 肋上表面	上部胸神经腹支	升肋	肋间后动脉	背部中层肌
头夹肌	项韧带 C7～T3 棘突	颞骨乳突，上项线外三分之一	颈中神经背支	双侧：伸头 单侧：侧屈颈部，旋转面部至同侧	枕动脉降支，颈深动脉	横突棘肌
颈夹肌	T3～T6 棘突	C1～C3 横突	下部颈神经背支	双侧：伸头 单侧：侧屈颈部，旋转颈部至同侧	枕动脉降支，颈深动脉	横突棘肌
斜方肌	上项线，枕外隆凸，项韧带，C7～T12 棘突	锁骨外三分之一，肩峰，肩胛冈	副神经	上抬，后缩，旋转肩胛；下部纤维降肩胛	颈横动脉，肋间后动脉背穿支	背部浅层肌



3 胸部

体表解剖

图 178

178 胸部:体表解剖

乳腺

图 179-182

179 乳腺
180 乳腺的动脉
181 乳腺的淋巴管和淋巴结
182 乳腺的淋巴回流

体壁

图 183-192

183 胸部的骨骼
184 肋和胸肋连结
185 胸前壁
186 胸前壁(续)
187 胸前壁:内面观
188 肋间神经和肋间动脉
189 胸壁内静脉
190 膈神经
191 膈:胸腔面
192 膈:腹腔面

肺

图 193-207

193 肺的体表投影:前面观
194 肺的体表投影:后面观

胸部

195 肺(原位):前面观
196 肺:内侧面观
197 支气管肺段
198 支气管肺段(续)
199 气管和主支气管
200 支气管的系统命名:示意图
201 肺内气道:示意图
202 肺内血液循环:示意图
203 上纵隔的大血管
204 支气管动脉和静脉
205 肺的淋巴管和淋巴结
206 胸内的自主神经
207 气管支气管树的神经支配:示意图

心

图 208-226

208 心(原位)
209 心:前面观
210 心的影像及听诊
211 心:心底和膈面
212 心包
213 纵隔:横断面
214 胸部:心冠状断面,升主动脉
215 冠状动脉和心静脉
216 冠状动脉:影像
217 右心房和右心室
218 左心房和左心室
219 心的瓣膜和纤维支架
220 心的瓣膜和纤维支架(续)
221 心房、心室和室间隔
222 心的传导系统
223 心的神经
224 心的神经支配:示意图
225 血管的神经支配:示意图
226 胎儿期和婴儿期血液循环

纵隔

图 227-236

227 纵隔:右侧面观
228 纵隔:左侧面观
229 食管(原位)
230 食管体表投影和狭窄部位
231 食管肌
232 食管与胃的连接
233 食管的动脉
234 食管的静脉
235 食管的淋巴管和淋巴结
236 食管的神经

局部扫描

图 237

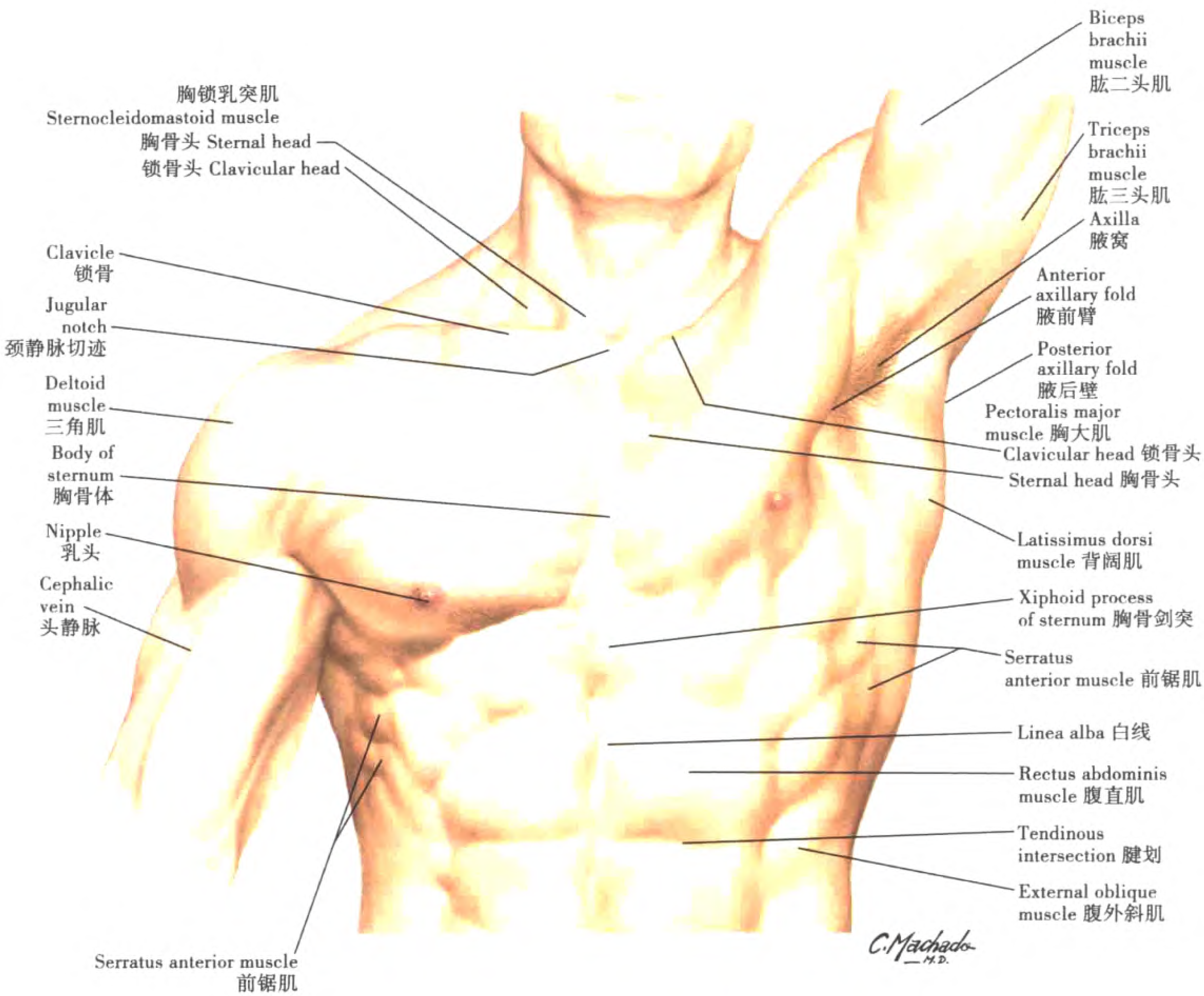
237 胸部平扫:轴位 CT 影像

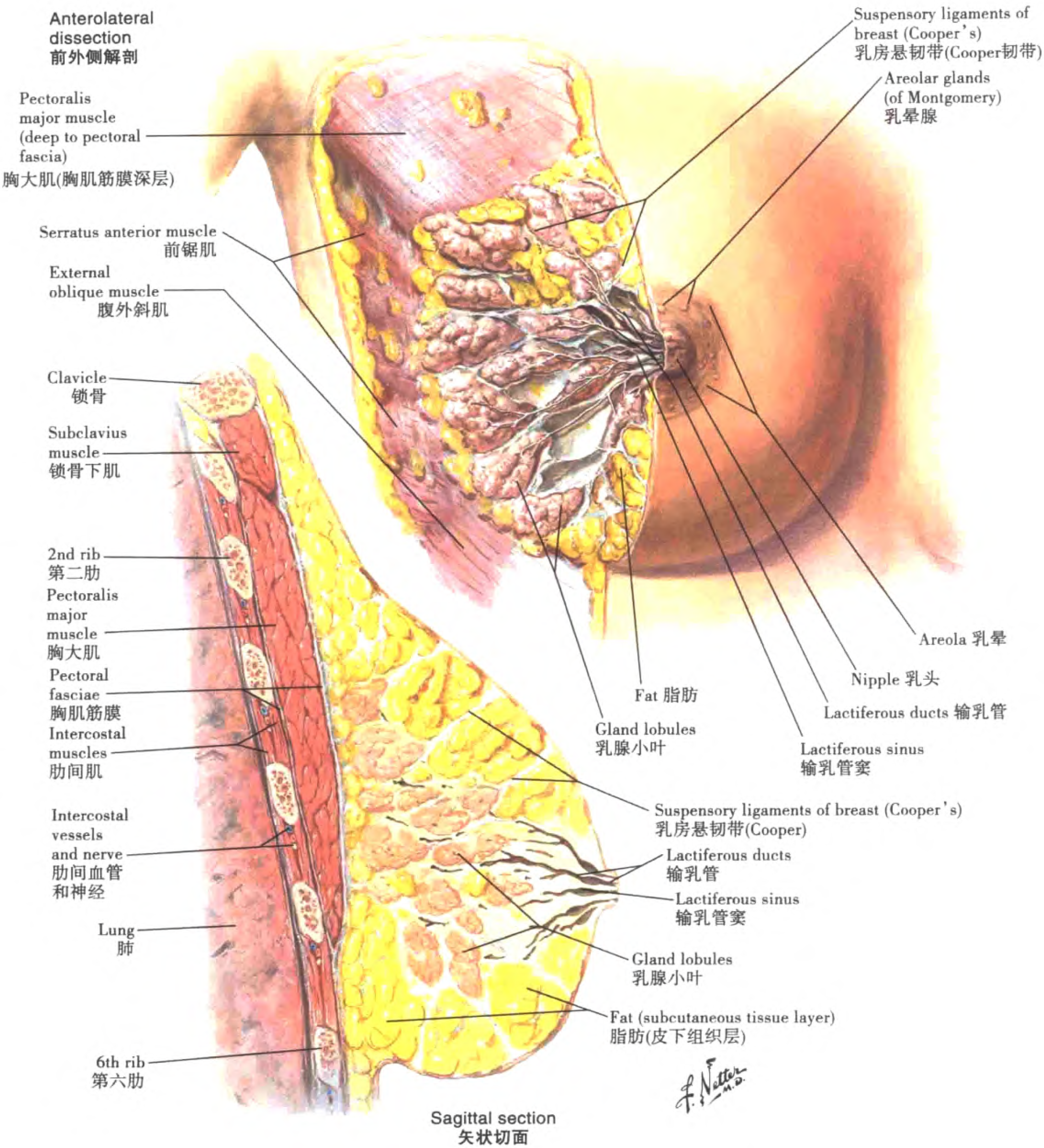
断面解剖

图 238-241

238 第 3 胸椎水平胸部断面
239 第 3 ~ 4 胸椎盘间隙水平胸部断面
240 第 4 ~ 5 胸椎盘间隙水平胸部断面
241 第 7 胸椎水平胸部断面

肌肉总表


胸锁乳突肌
Sternocleidomastoid muscle
胸骨头 Sternal head
锁骨头 Clavicular head
Clavicle 锁骨
Jugular notch 颈静脉切迹
Deltoid muscle 三角肌
Body of sternum 胸骨体
Nipple 乳头
Cephalic vein 头静脉
Serratus anterior muscle 前锯肌
Biceps brachii muscle 肱二头肌
Triceps brachii muscle 肱三头肌
Axilla 腋窝
Anterior axillary fold 腋前臂
Posterior axillary fold 腋后壁
Pectoralis major muscle 胸大肌
Clavicular head 锁骨头
Sternal head 胸骨头
Latissimus dorsi muscle 背阔肌
Xiphoid process of sternum 胸骨剑突
Serratus anterior muscle 前锯肌
Linea alba 白线
Rectus abdominis muscle 腹直肌
Tendinous intersection 腱划
External oblique muscle 腹外斜肌
C. Machado M.D.


Anterolateral
dissection
前外侧解剖
Pectoralis
major muscle
(deep to pectoral
fascia)
胸大肌(胸肌筋膜深层)
Serratus anterior muscle
前锯肌
External
oblique muscle
腹外斜肌
Suspensory ligaments of
breast (Cooper's)
乳房悬韧带(Cooper韧带)
Areolar glands
(of Montgomery)
乳晕腺
Areola 乳晕
Nipple 乳头
Fat 脂肪
Gland lobules
乳腺小叶
Lactiferous ducts 输乳管
Lactiferous sinus
输乳管窦
Clavicle
锁骨
Subclavius
muscle
锁骨下肌
2nd rib
第二肋
Pectoralis
major
muscle
胸大肌
Pectoral
fasciae
胸肌筋膜
Intercostal
muscles
肋间肌
Intercostal
vessels
and nerve
肋间血管
和神经
Lung
肺
6th rib
第六肋
Suspensory ligaments of breast (Cooper's)
乳房悬韧带(Cooper)
Lactiferous ducts
输乳管
Lactiferous sinus
输乳管窦
Gland lobules
乳腺小叶
Fat (subcutaneous tissue layer)
脂肪(皮下组织层)
Sagittal section
矢状切面

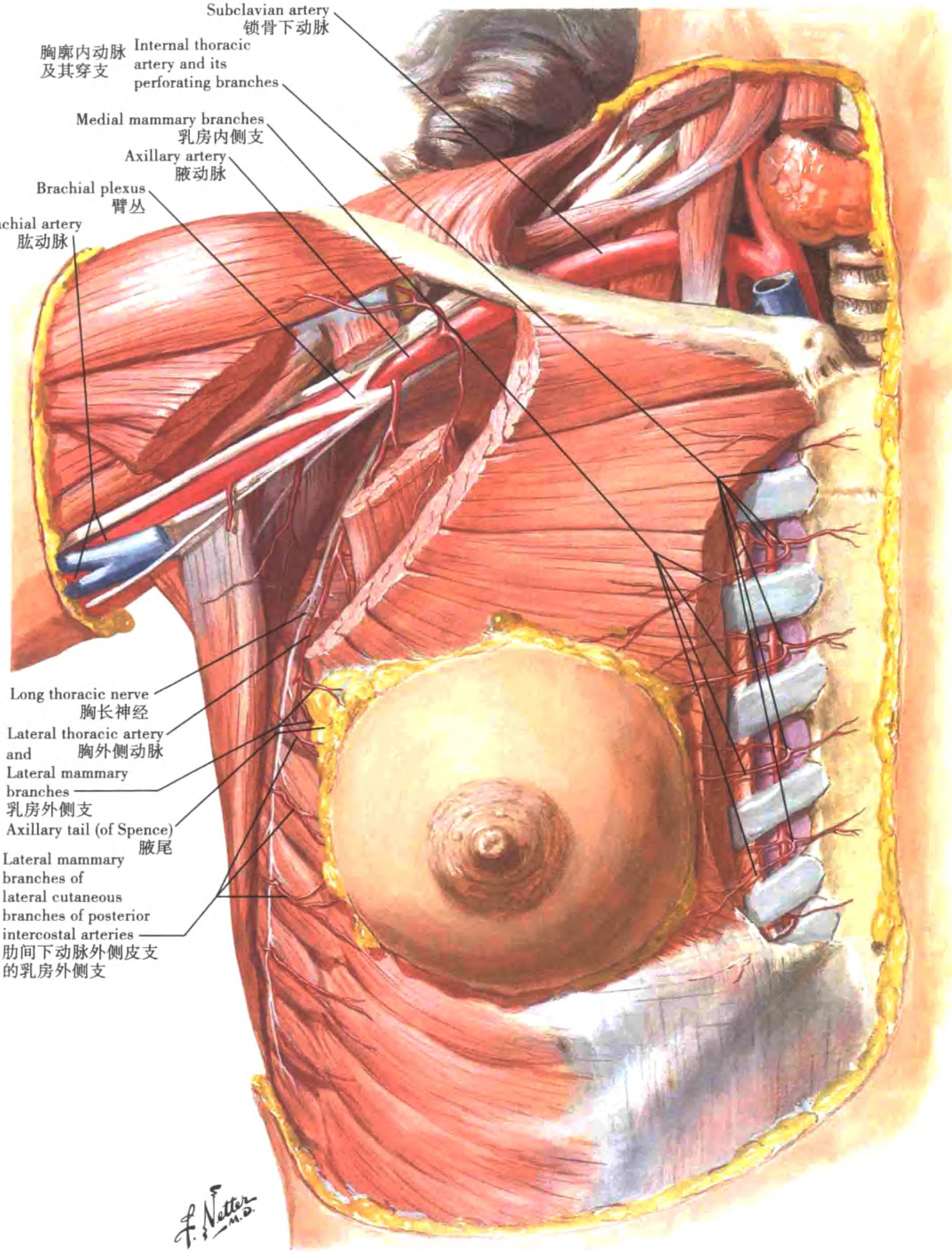
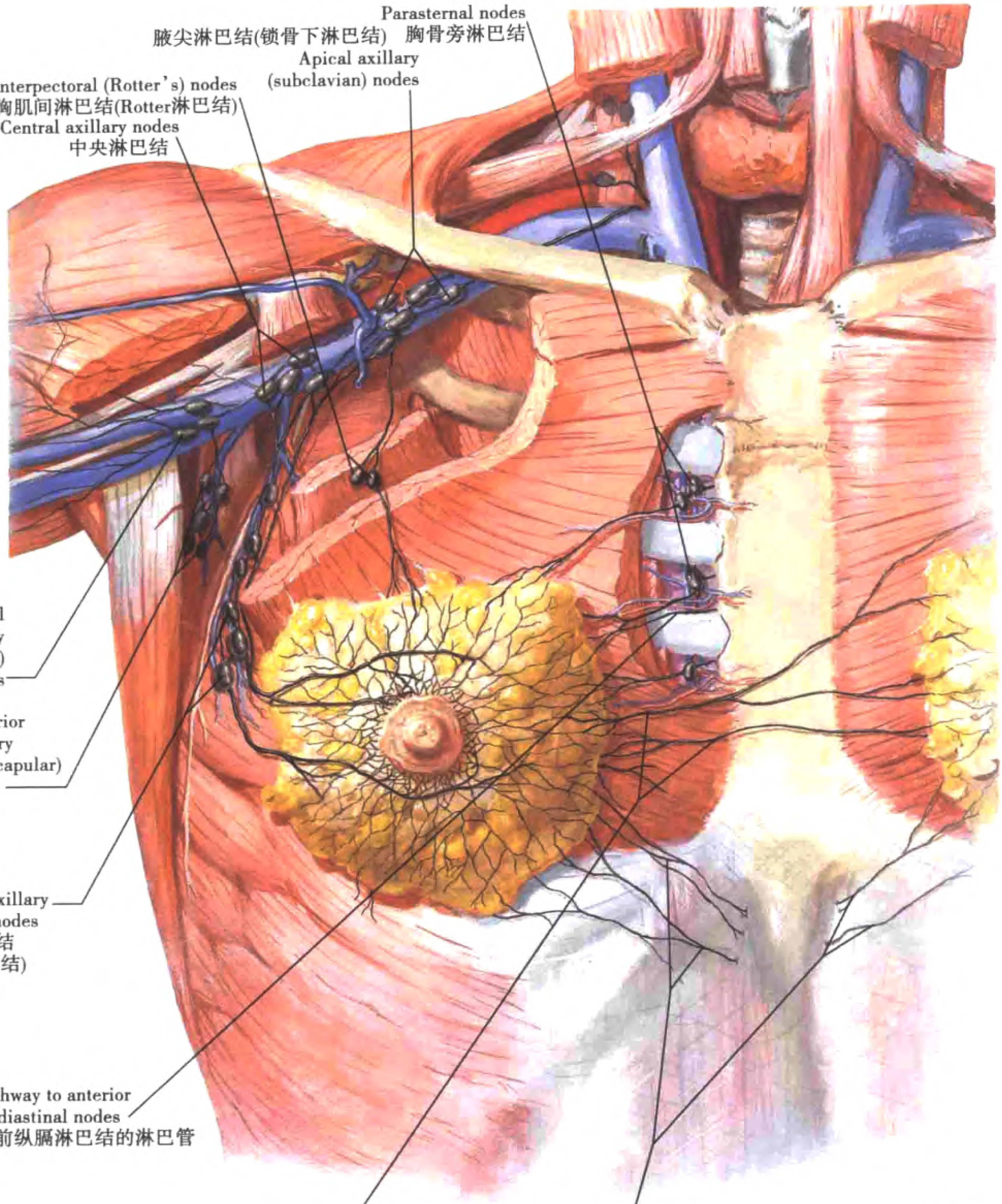
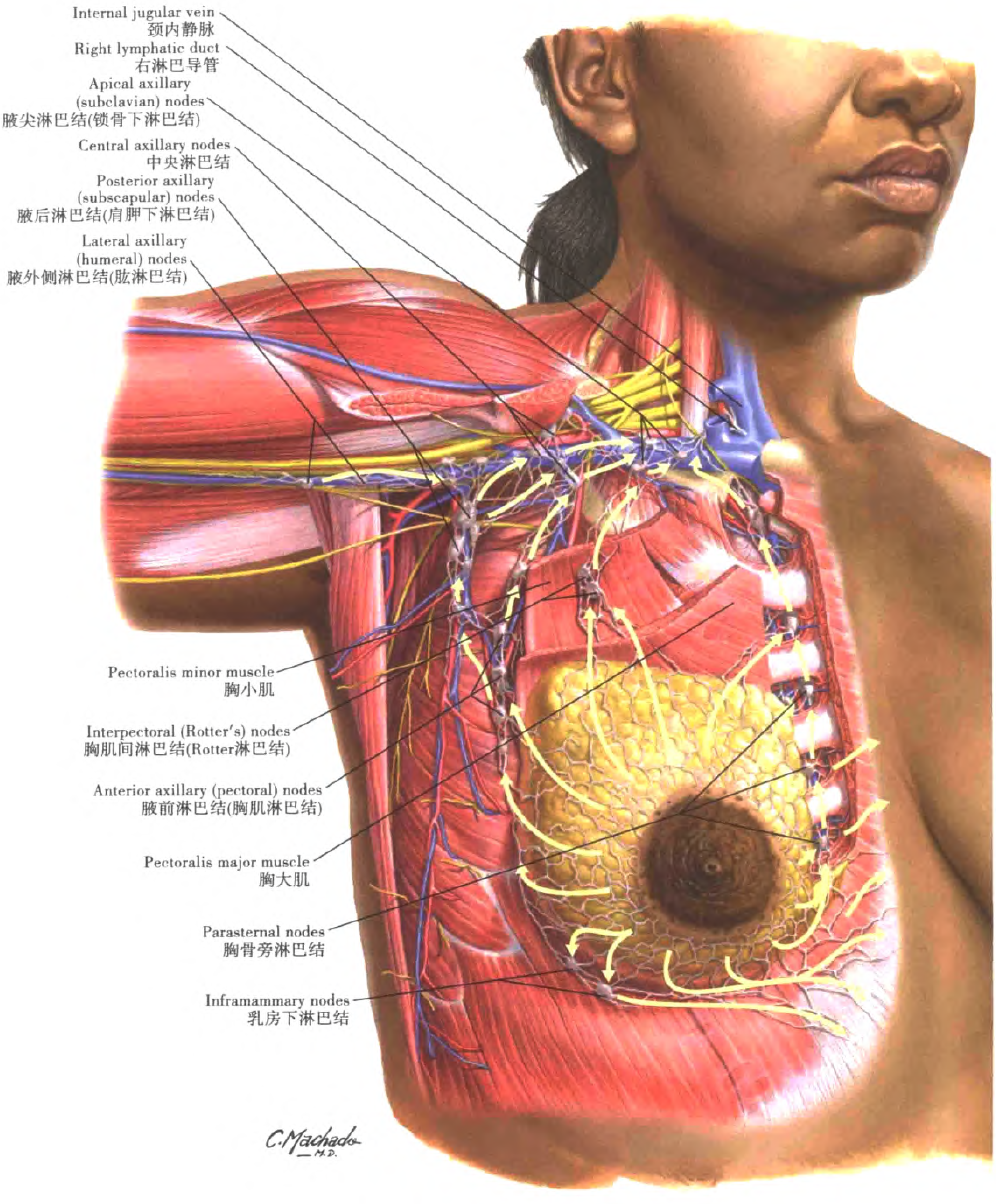
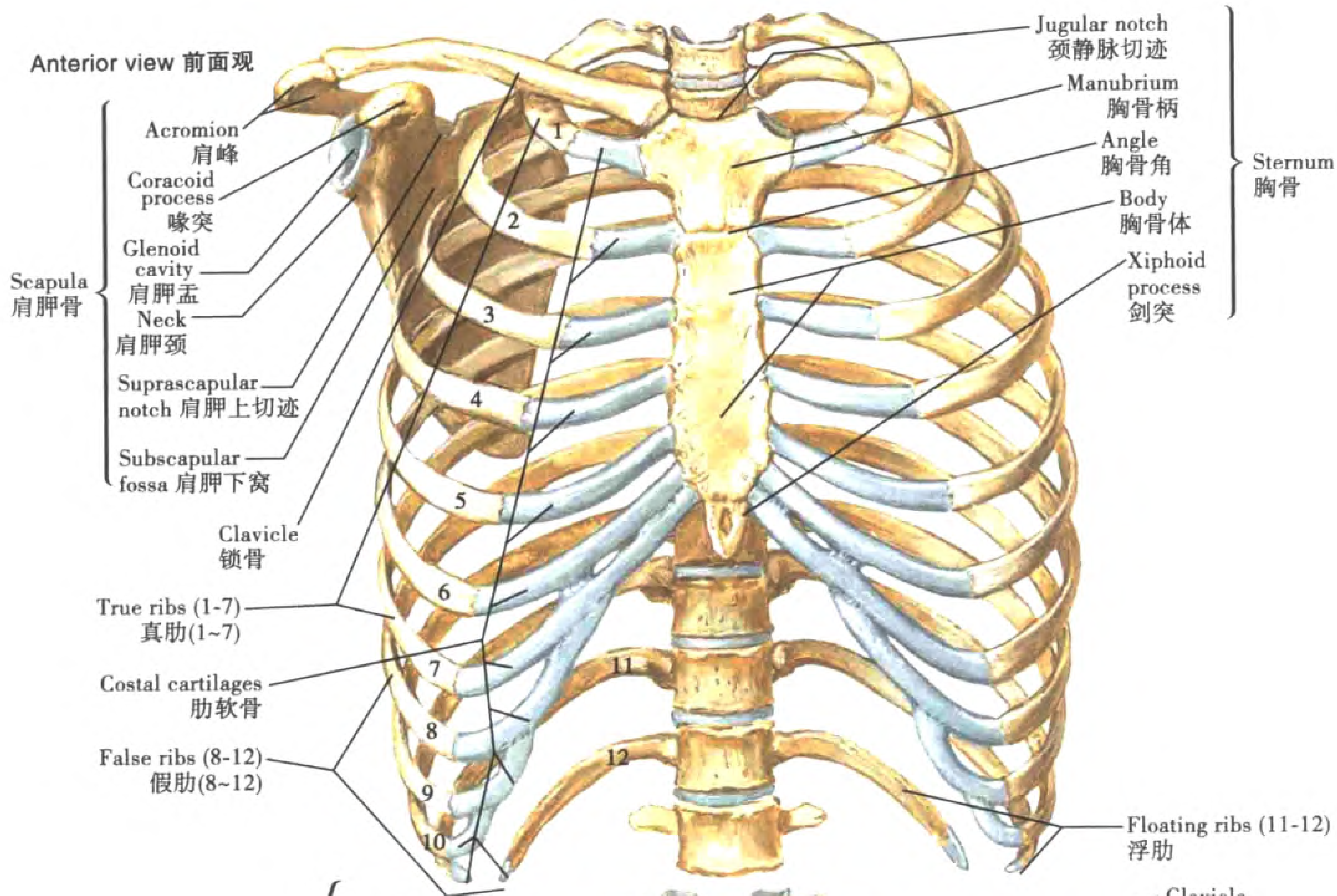

Subclavian artery
锁骨下动脉
胸廓内动脉
及其穿支
Internal thoracic
artery and its
perforating branches
Medial mammary branches
乳房内侧支
Axillary artery
腋动脉
Brachial plexus
臂丛
Brachial artery
肱动脉
Long thoracic nerve
胸长神经
Lateral thoracic artery
and
胸外侧动脉
Lateral mammary
branches
乳房外侧支
Axillary tail (of Spence)
腋尾
Lateral mammary
branches of
lateral cutaneous
branches of posterior
intercostal arteries
肋间下动脉外侧皮支
的乳房外侧支
F. Netter M.D.

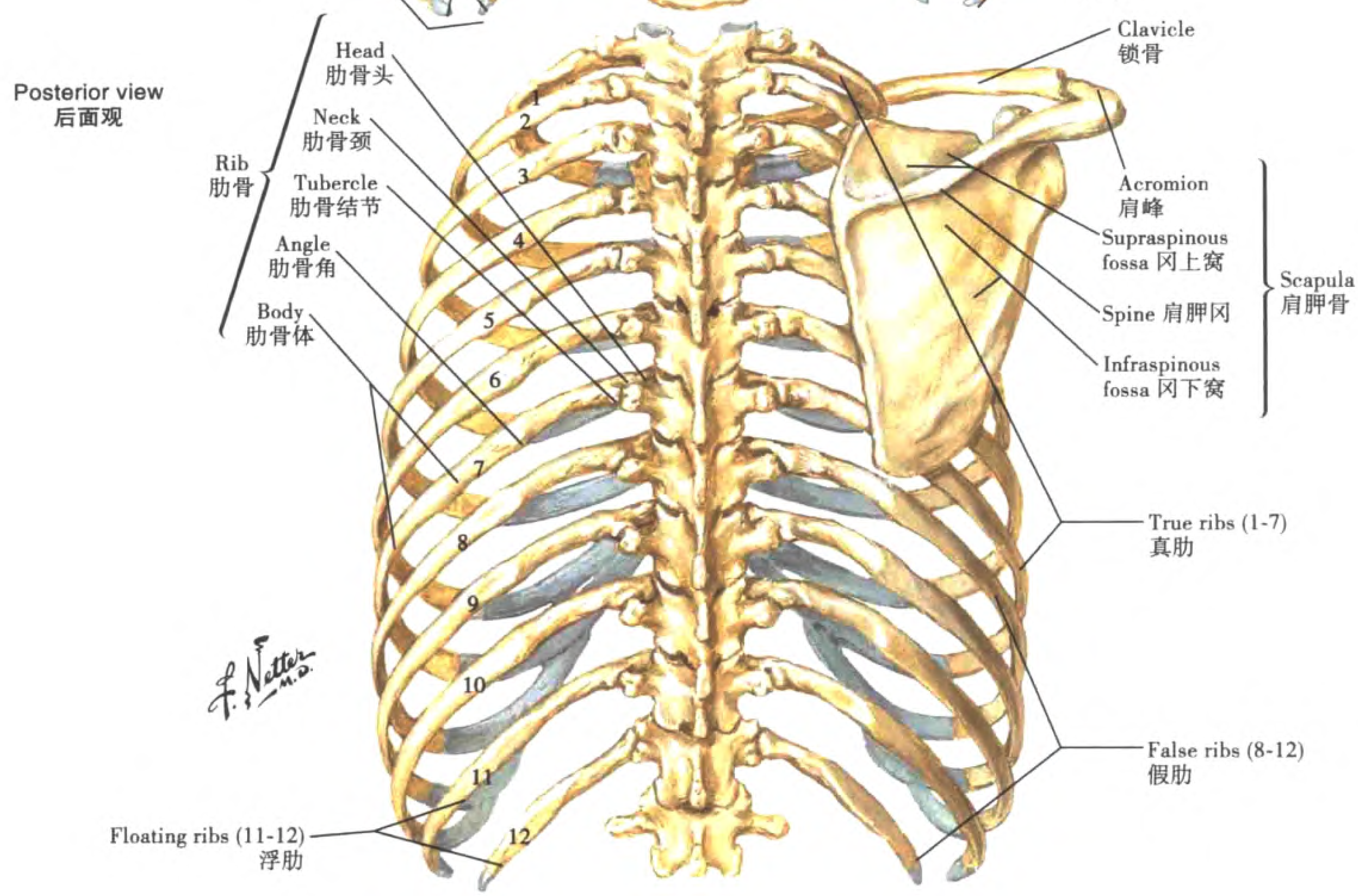
图 180 乳腺

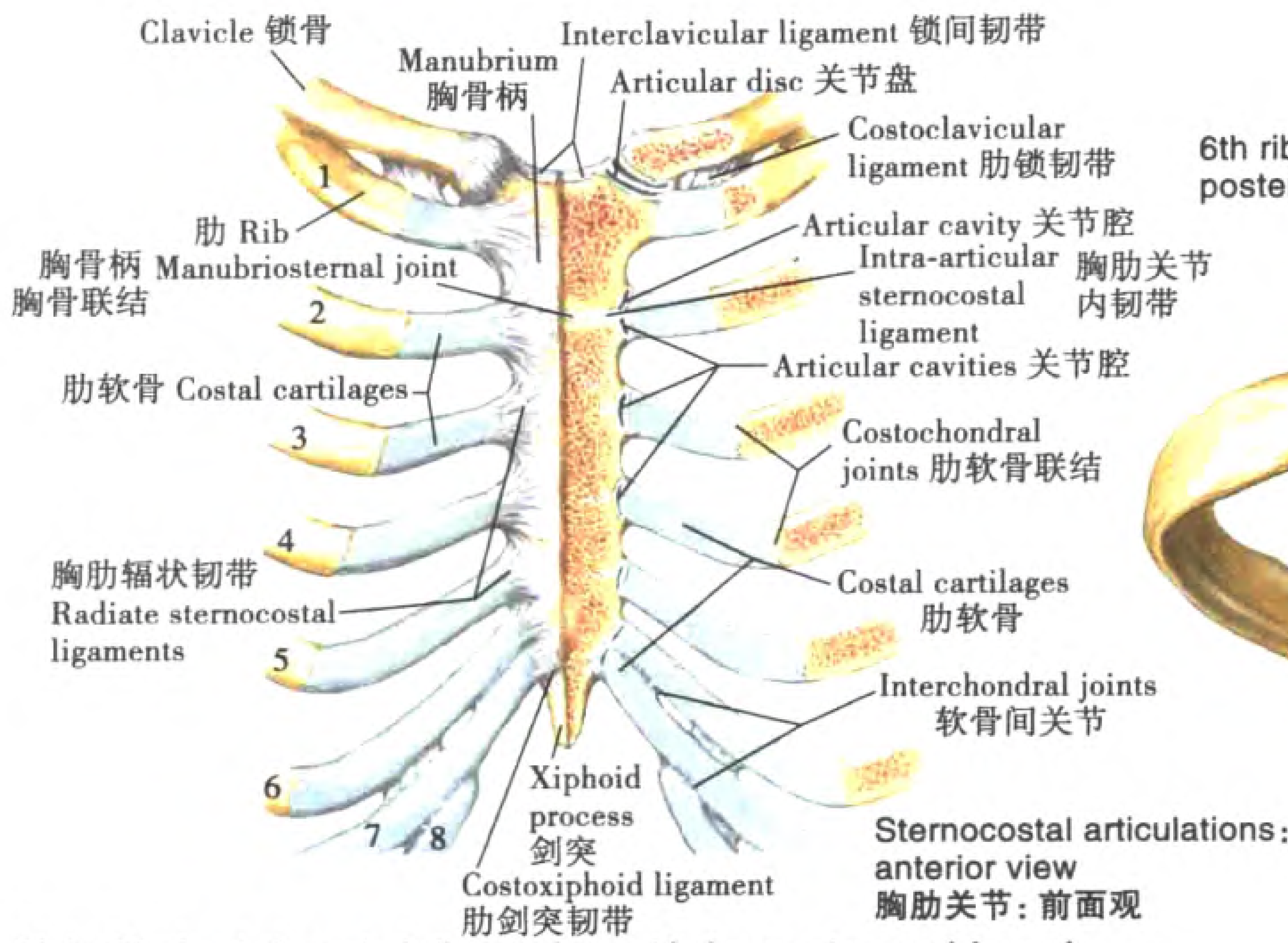


Parasternal nodes
胸骨旁淋巴结
腋尖淋巴结(锁骨下淋巴结)
Apical axillary
(subclavian) nodes
Interpectoral (Rotter's) nodes
胸肌间淋巴结(Rotter淋巴结)
Central axillary nodes
中央淋巴结
外侧淋巴结 Lateral
(肱淋巴结) axillary
(humeral)
nodes
腋后淋巴结
(锁骨下淋
巴结)
Posterior
axillary
(subscapular)
nodes
Anterior axillary
(pectoral)nodes
腋前淋巴结
(胸肌淋巴结)
Pathway to anterior
mediastinal nodes
至前纵膈淋巴结的淋巴管
至/来自对侧乳房的淋巴管 Pathways to/from opposite breast
至膈下淋巴结和肝脏的淋巴管 Pathways to inferior phrenic (subdiaphragmatic) nodes and liver

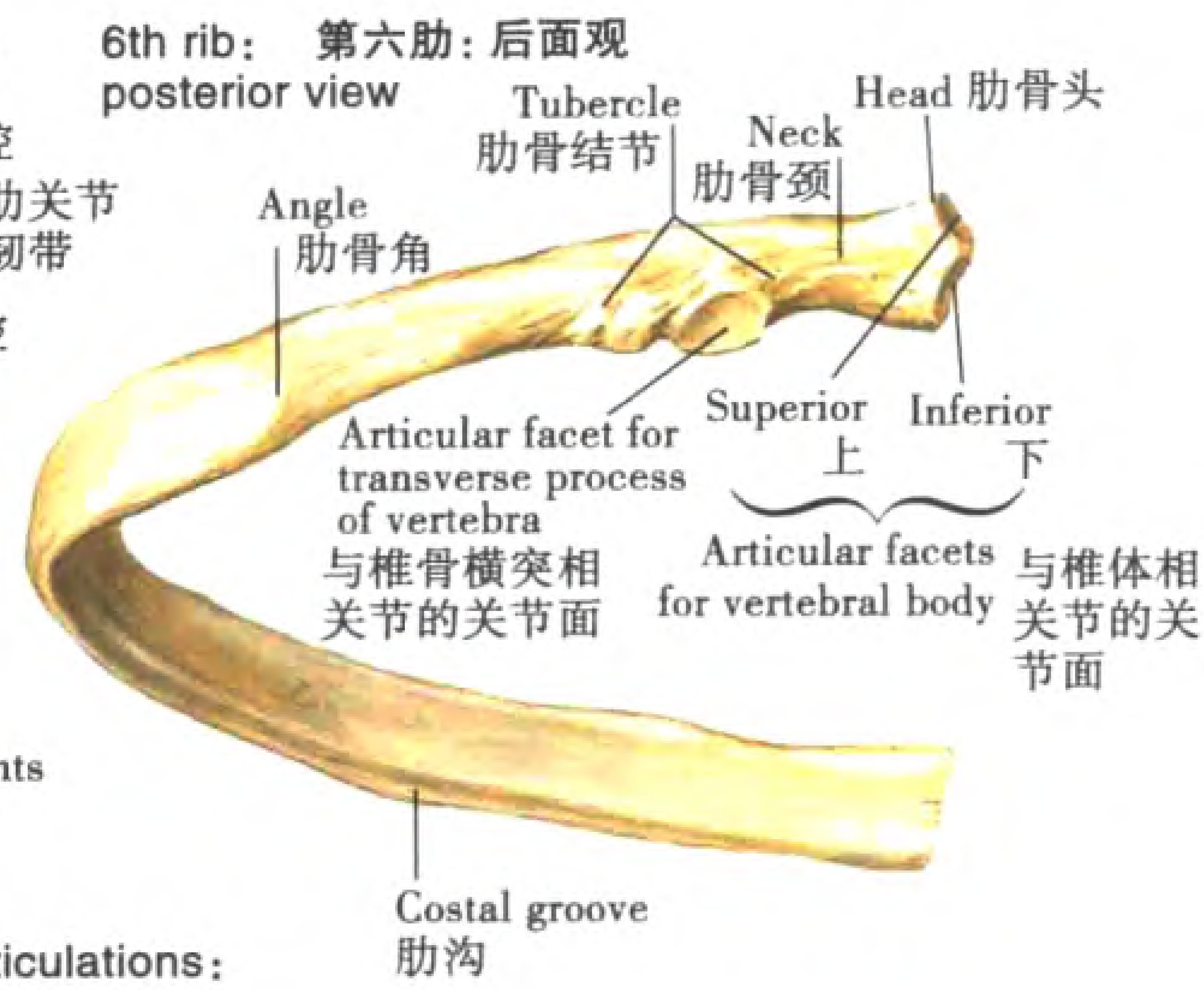

Internal jugular vein
颈内静脉
Right lymphatic duct
右淋巴导管
Apical axillary
(subclavian) nodes
腋尖淋巴结(锁骨下淋巴结)
Central axillary nodes
中央淋巴结
Posterior axillary
(subscapular) nodes
腋后淋巴结(肩胛下淋巴结)
Lateral axillary
(humeral) nodes
腋外侧淋巴结(肱淋巴结)
Pectoralis minor muscle
胸小肌
Interpectoral (Rotter's) nodes
胸肌间淋巴结(Rotter淋巴结)
Anterior axillary (pectoral) nodes
腋前淋巴结(胸肌淋巴结)
Pectoralis major muscle
胸大肌
Parasternal nodes
胸骨旁淋巴结
Inframammary nodes
乳房下淋巴结
C. Machado M.D.


Anterior view 前面观
Jugular notch 颈静脉切迹
Manubrium 胸骨柄
Angle 胸骨角
Body 胸骨体
Xiphoid process 剑突
Sternum 胸骨
Acromion 肩峰
Coracoid process 喙突
Glenoid cavity 肩胛盂
Neck 肩胛颈
Suprascapular notch 肩胛上切迹
Subscapular fossa 肩胛下窝
Scapula 肩胛骨
Clavicle 锁骨
True ribs (1-7) 真肋(1~7)
Costal cartilages 肋软骨
False ribs (8-12) 假肋(8~12)
Floating ribs (11-12) 浮肋
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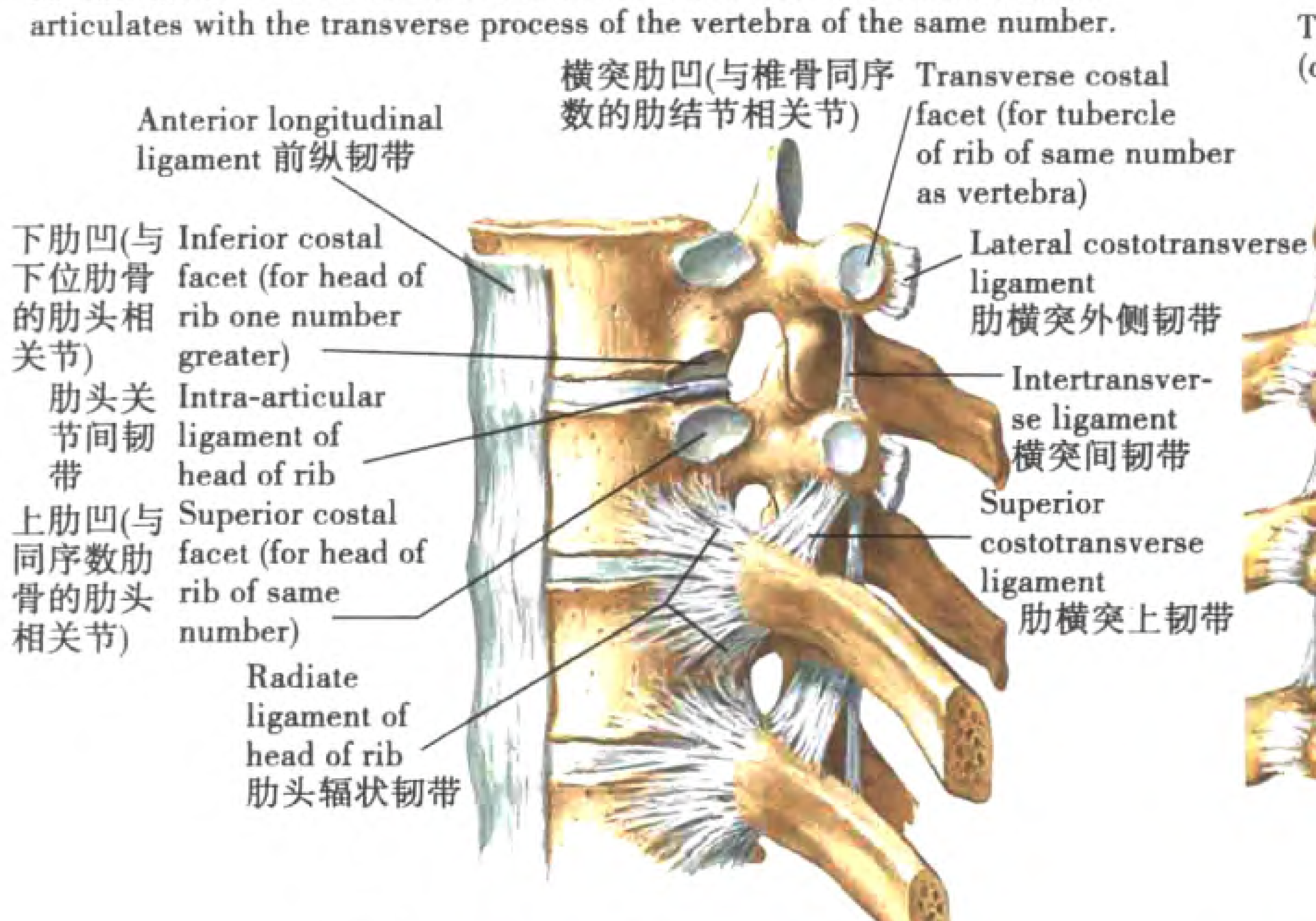

Posterior view 后面观
Rib 肋骨
Head 肋骨头
Neck 肋骨颈
Tubercle 肋骨结节
Angle 肋骨角
Body 肋骨体
Clavicle 锁骨
Acromion 肩峰
Supraspinous fossa 冈上窝
Spine 肩胛冈
Infraspinous fossa 冈下窝
Scapula 肩胛骨
True ribs (1-7) 真肋
False ribs (8-12) 假肋
Floating ribs (11-12) 浮肋
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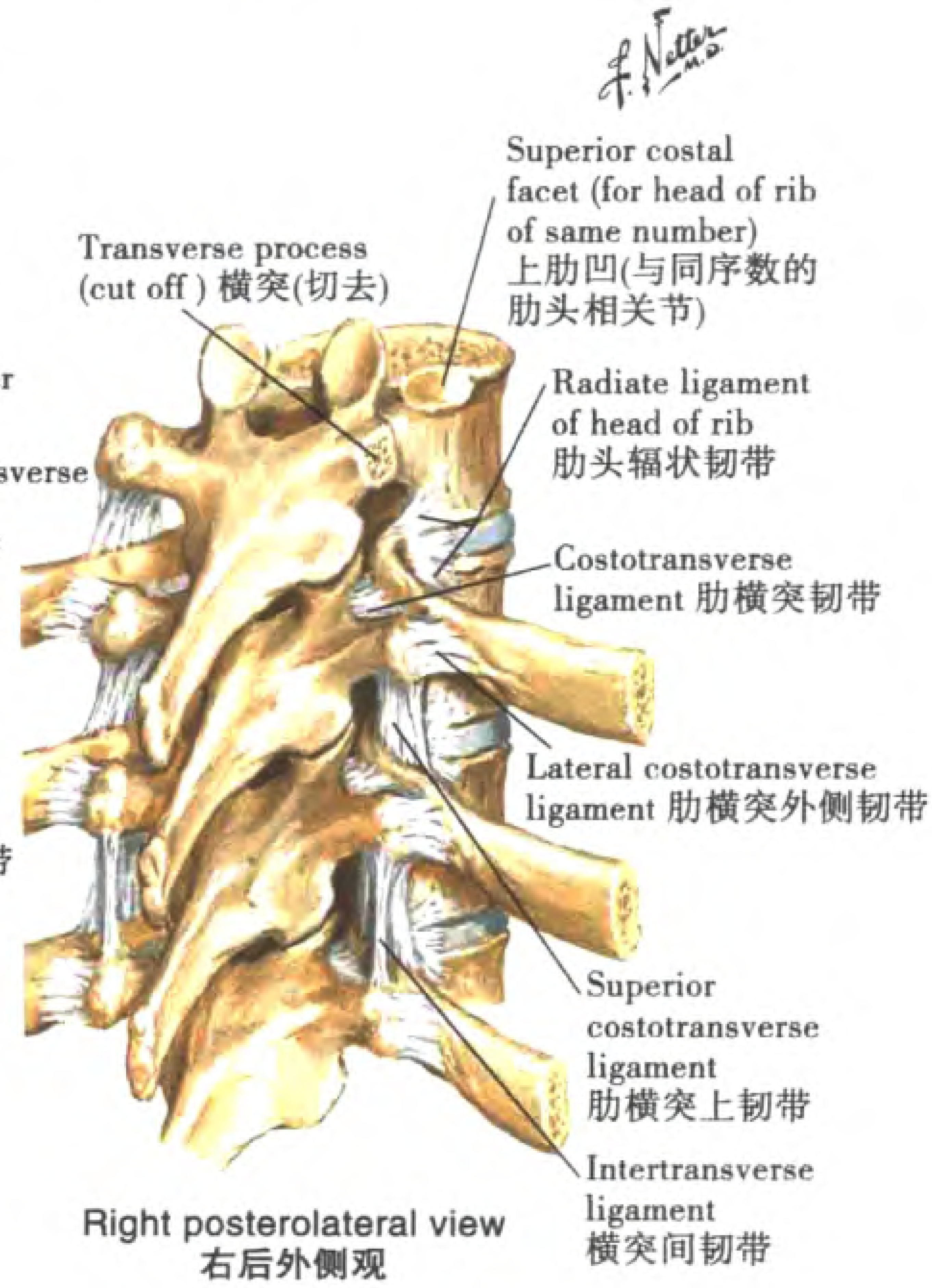
Sternocostal articulations: anterior view
胸肋关节：前面观



Note: The head of a typical rib articulates with the superior costal facet of the thoracic vertebra of the same number (by its inferior articular facet), the inferior costal facet of the vertebra above (by its superior articular facet), and the intervertebral disc between the two vertebrae. The costal tubercle articulates with the transverse process of the vertebra of the same number.

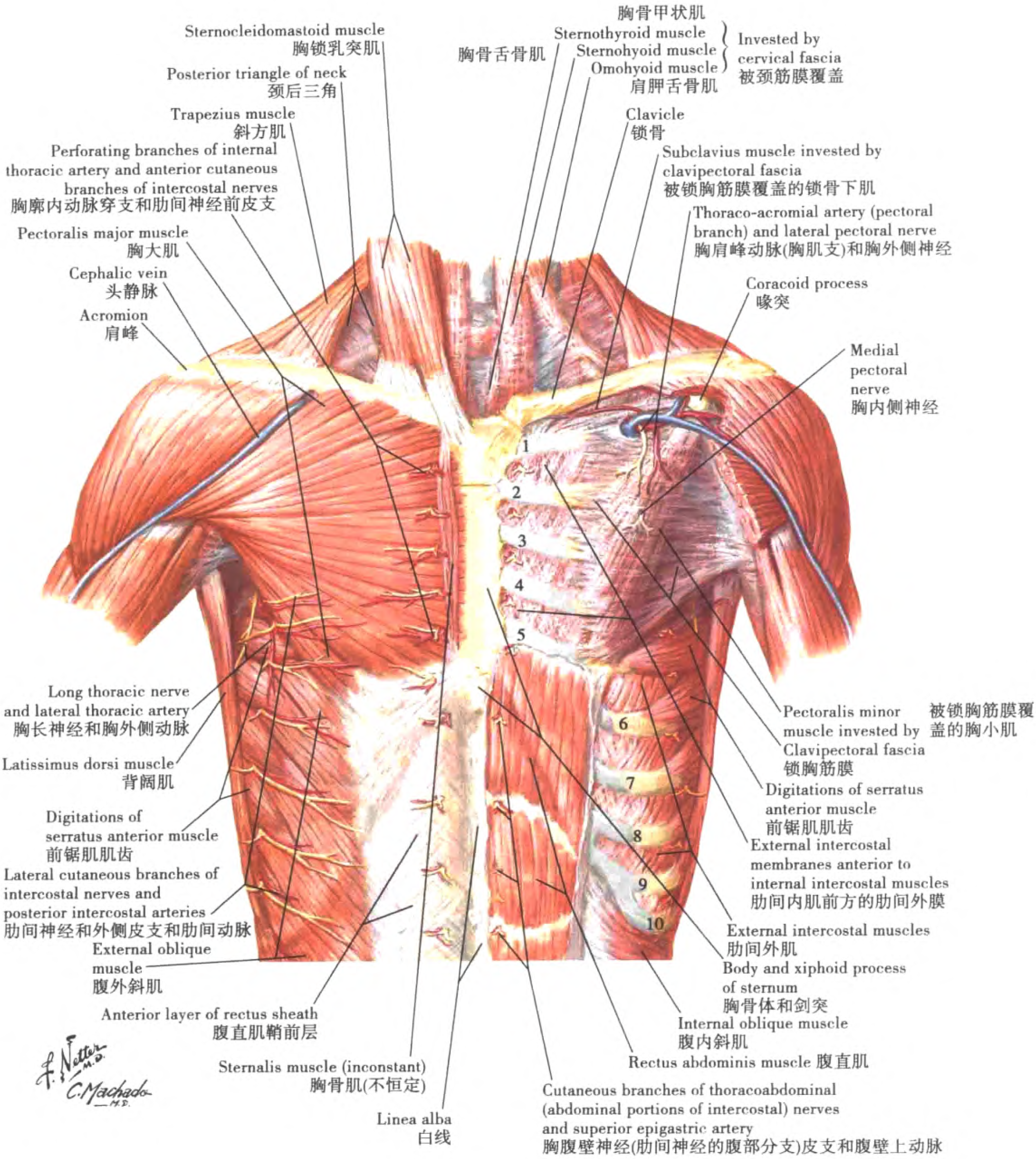


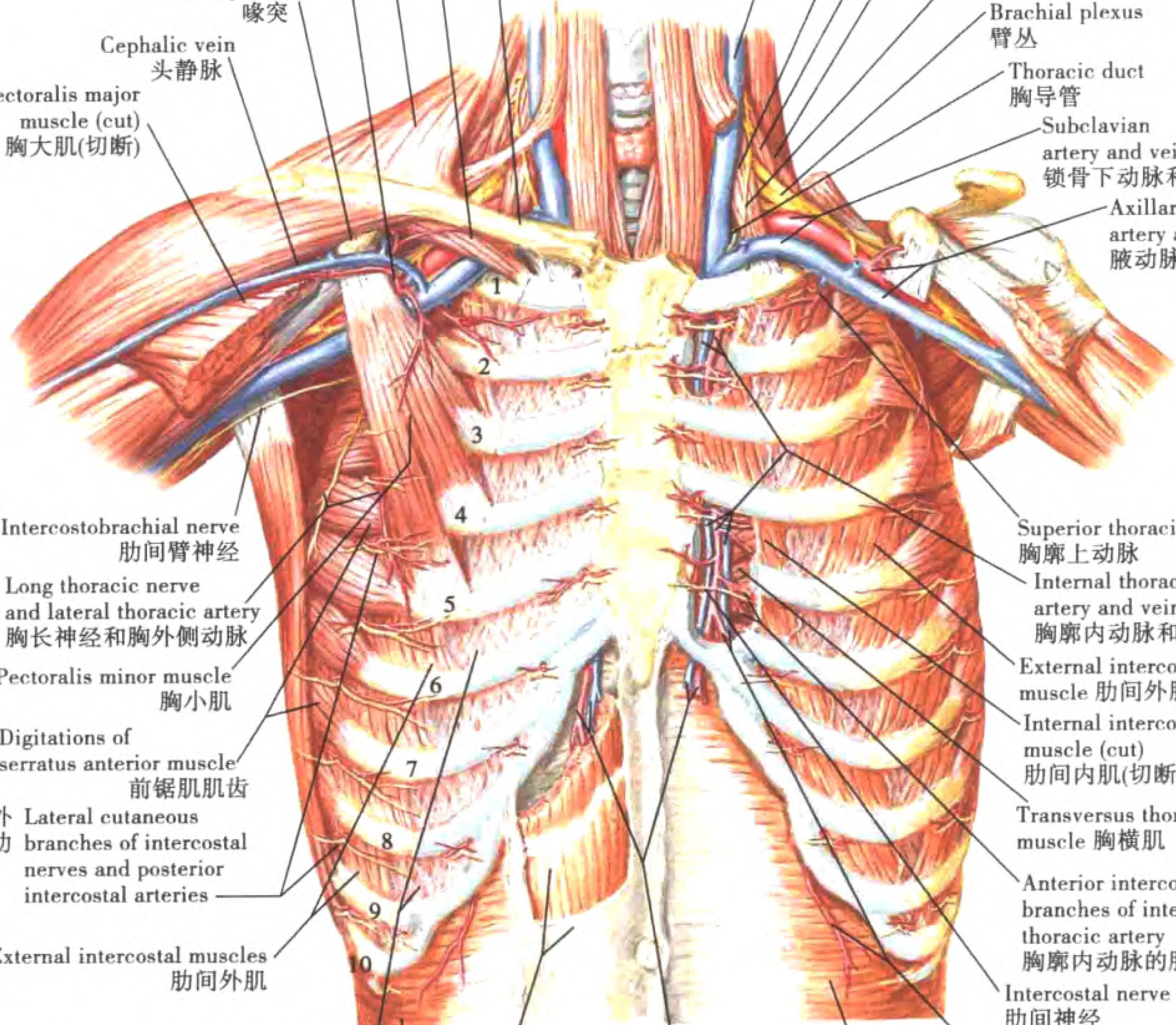
Left anterolateral view
左前外侧观

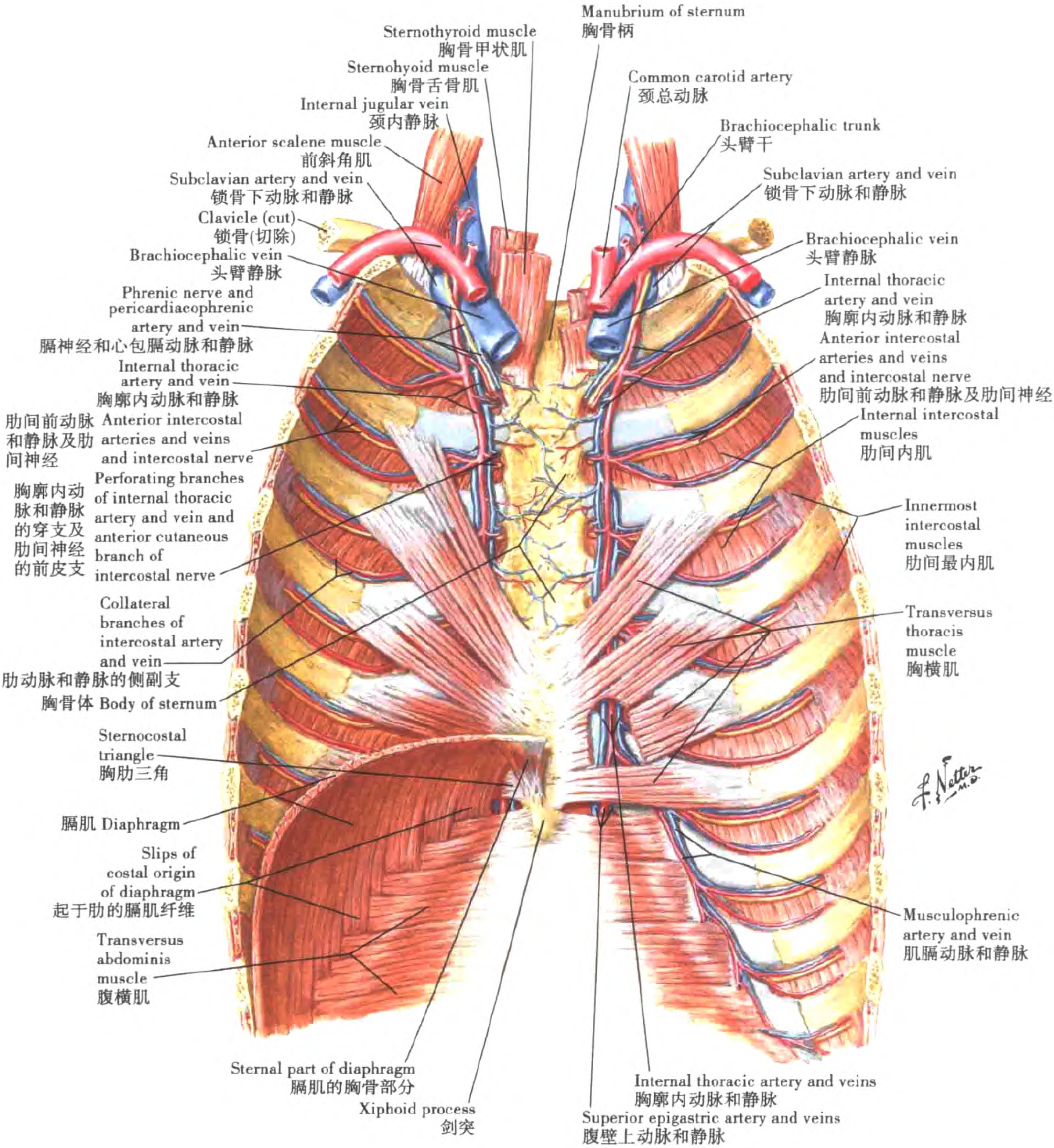


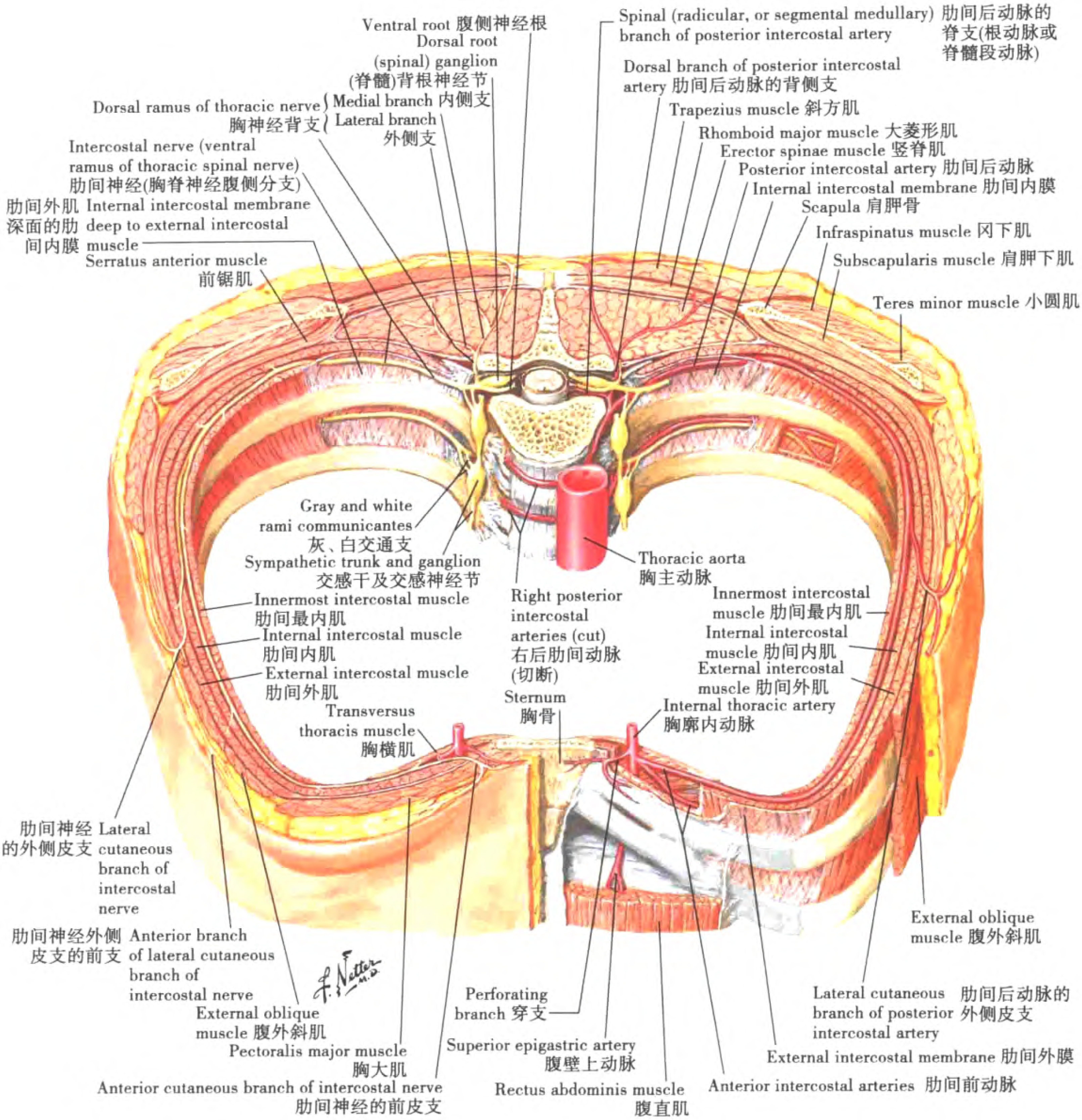
Right posterolateral view
右后外侧观

注：典型肋骨的肋骨头与同序数胸椎的上肋凹（通过该肋头的下关节面）、上位椎骨的下肋凹（通过该肋头的上关节面）及两个椎骨间的椎间盘相关节。肋结节与同序数椎骨的横突相关节。

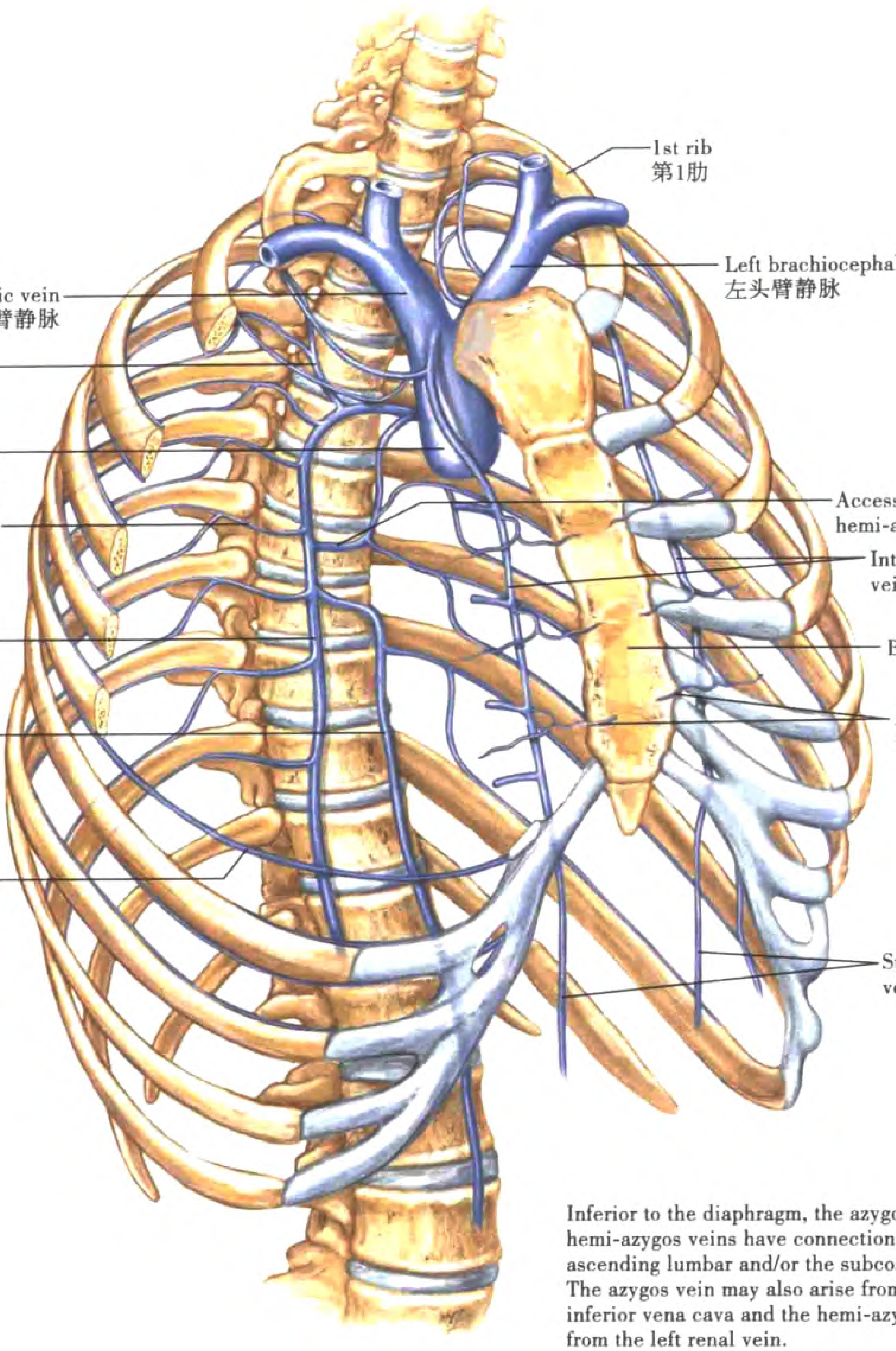

Sternocleidomastoid muscle
胸锁乳突肌
Posterior triangle of neck
颈后三角
Trapezius muscle
斜方肌
Perforating branches of internal thoracic artery and anterior cutaneous branches of intercostal nerves
胸廓内动脉穿支和肋间神经前皮支
Pectoralis major muscle
胸大肌
Cephalic vein
头静脉
Acromion
肩峰
胸骨甲状肌
Sternothyroid muscle
胸骨舌骨肌
Sternohyoid muscle
Omohyoid muscle
肩胛舌骨肌
Invested by cervical fascia
被颈筋膜覆盖
Clavicle
锁骨
Subclavius muscle invested by clavipectoral fascia
被锁胸筋膜覆盖的锁骨下肌
Thoraco-acromial artery (pectoral branch) and lateral pectoral nerve
胸肩峰动脉(胸肌支)和胸外侧神经
Coracoid process
喙突
Medial pectoral nerve
胸内侧神经
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Long thoracic nerve and lateral thoracic artery
胸长神经和胸外侧动脉
Latissimus dorsi muscle
背阔肌
Digitations of serratus anterior muscle
前锯肌肌齿
Lateral cutaneous branches of intercostal nerves and posterior intercostal arteries
肋间神经和外侧皮支和肋间动脉
External oblique muscle
腹外斜肌
Anterior layer of rectus sheath
腹直肌鞘前层
Sternalis muscle (inconstant)
胸骨肌(不恒定)
Linea alba
白线
Pectoralis minor muscle invested by
被锁胸筋膜覆盖的胸小肌
Clavipectoral fascia
锁胸筋膜
Digitations of serratus anterior muscle
前锯肌肌齿
External intercostal membranes anterior to internal intercostal muscles
肋间内肌前方的肋间外膜
External intercostal muscles
肋间外肌
Body and xiphoid process of sternum
胸骨体和剑突
Internal oblique muscle
腹内斜肌
Rectus abdominis muscle 腹直肌
Cutaneous branches of thoracoabdominal (abdominal portions of intercostal) nerves and superior epigastric artery
胸腹壁神经(肋间神经的腹部分支)皮支和腹壁上动脉
F. Netter M.D.
C. Machado M.D.


Clavicle
锁骨
Subclavius muscle
锁骨下肌
Trapezius muscle
斜方肌
Thoraco-acromial artery
胸肩峰动脉
Coracoid process
喙突
Cephalic vein
头静脉
Pectoralis major muscle (cut)
胸大肌(切断)
Intercostobrachial nerve
肋间臂神经
Long thoracic nerve and lateral thoracic artery
胸长神经和胸外侧动脉
Pectoralis minor muscle
胸小肌
Digitations of serratus anterior muscle
前锯肌肌齿
肋间神经的外侧皮神经及肋间后动脉
Lateral cutaneous branches of intercostal nerves and posterior intercostal arteries
External intercostal muscles
肋间外肌
External intercostal membranes anterior to internal intercostal muscles
肋间内肌浅面的肋间外膜
Transversus abdominis muscle
腹横肌
Rectus abdominis muscle and sheath (cut)
腹直肌及腹直肌鞘(切断)
Internal jugular vein
颈内静脉
Anterior 前斜角肌
Middle 中斜角肌
Posterior 后斜角肌
Scalene muscles
斜角肌
Phrenic nerve
膈神经
Brachial plexus
臂丛
Thoracic duct
胸导管
Subclavian artery and vein
锁骨下动脉和静脉
Axillary artery and vein
腋动脉和静脉
Superior thoracic artery
胸廓上动脉
Internal thoracic artery and veins
胸廓内动脉和静脉
External intercostal muscle 肋间外肌
Internal intercostal muscle (cut)
肋间内肌(切断)
Transversus thoracis muscle 胸横肌
Anterior intercostal branches of internal thoracic artery
胸廓内动脉的肋间前支
Intercostal nerve
肋间神经
Musculophrenic artery and vein
肌膈动脉和静脉
Transversus abdominis muscle
腹横肌
Superior epigastric arteries and veins
腹壁上动脉和静脉
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Sternothyroid muscle
胸骨甲状肌
Sternohyoid muscle
胸骨舌骨肌
Internal jugular vein
颈内静脉
Anterior scalene muscle
前斜角肌
Subclavian artery and vein
锁骨下动脉和静脉
Clavicle (cut)
锁骨(切除)
Brachiocephalic vein
头臂静脉
Phrenic nerve and pericardiacophrenic artery and vein
膈神经和心包膈动脉和静脉
Internal thoracic artery and vein
胸廓内动脉和静脉
肋间前动脉和静脉及肋间神经
Anterior intercostal arteries and veins and intercostal nerve
胸廓内动脉和静脉的穿支及肋间神经的前皮支
Perforating branches of internal thoracic artery and vein and anterior cutaneous branch of intercostal nerve
Collateral branches of intercostal artery and vein
肋动脉和静脉的侧副支
胸骨体 Body of sternum
Sternocostal triangle
胸肋三角
膈肌 Diaphragm
Slips of costal origin of diaphragm
起于肋的膈肌纤维
Transversus abdominis muscle
腹横肌
Sternal part of diaphragm
膈肌的胸骨部分
Xiphoid process
剑突
Manubrium of sternum
胸骨柄
Common carotid artery
颈总动脉
Brachiocephalic trunk
头臂干
Subclavian artery and vein
锁骨下动脉和静脉
Brachiocephalic vein
头臂静脉
Internal thoracic artery and vein
胸廓内动脉和静脉
Anterior intercostal arteries and veins and intercostal nerve
肋间前动脉和静脉及肋间神经
Internal intercostal muscles
肋间内肌
Innermost intercostal muscles
肋间最内肌
Transversus thoracis muscle
胸横肌
Musculophrenic artery and vein
肌膈动脉和静脉
Internal thoracic artery and veins
胸廓内动脉和静脉
Superior epigastric artery and veins
腹壁上动脉和静脉
F. Netter M.D.


Ventral root 腹侧神经根
Dorsal root (spinal) ganglion (脊髓)背根神经节
Dorsal ramus of thoracic nerve 胸神经背支
Medial branch 内侧支
Lateral branch 外侧支
Intercostal nerve (ventral ramus of thoracic spinal nerve) 肋间神经(胸脊神经腹侧分支)
肋间外肌深面的肋间内膜 Internal intercostal membrane deep to external intercostal muscle
Serratus anterior muscle 前锯肌
Spinal (radicular, or segmental medullary) branch of posterior intercostal artery 肋间后动脉的脊支(根动脉或脊髓段动脉)
Dorsal branch of posterior intercostal artery 肋间后动脉的背侧支
Trapezius muscle 斜方肌
Rhomboid major muscle 大菱形肌
Erector spinae muscle 竖脊肌
Posterior intercostal artery 肋间后动脉
Internal intercostal membrane 肋间内膜
Scapula 肩胛骨
Infraspinatus muscle 冈下肌
Subscapularis muscle 肩胛下肌
Teres minor muscle 小圆肌
Gray and white rami communicantes 灰、白交通支
Sympathetic trunk and ganglion 交感干及交感神经节
Thoracic aorta 胸主动脉
Right posterior intercostal arteries (cut) 右后肋间动脉(切断)
Innermost intercostal muscle 肋间最内肌
Internal intercostal muscle 肋间内肌
External intercostal muscle 肋间外肌
Transversus thoracis muscle 胸横肌
Sternum 胸骨
Innermost intercostal muscle 肋间最内肌
Internal intercostal muscle 肋间内肌
External intercostal muscle 肋间外肌
Internal thoracic artery 胸廓内动脉
肋间神经的外侧皮支 Lateral cutaneous branch of intercostal nerve
肋间神经外侧皮支的前支 Anterior branch of lateral cutaneous branch of intercostal nerve
External oblique muscle 腹外斜肌
Pectoralis major muscle 胸大肌
Anterior cutaneous branch of intercostal nerve 肋间神经的前皮支
Perforating branch 穿支
Superior epigastric artery 腹壁上动脉
Rectus abdominis muscle 腹直肌
External oblique muscle 腹外斜肌
Lateral cutaneous branch of posterior intercostal artery 肋间后动脉的外侧皮支
External intercostal membrane 肋间外膜
Anterior intercostal arteries 肋间前动脉
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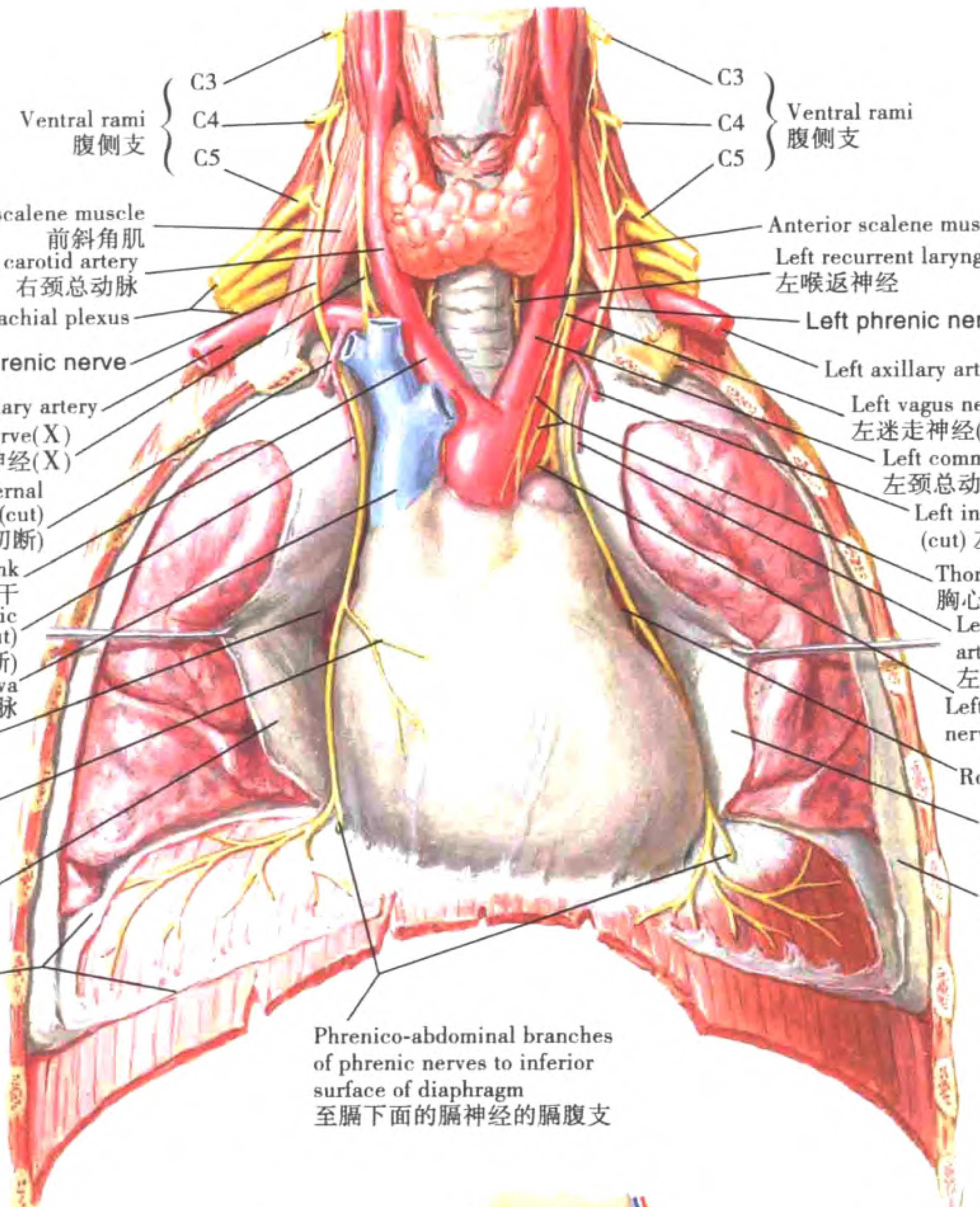
参见图 187,227,252

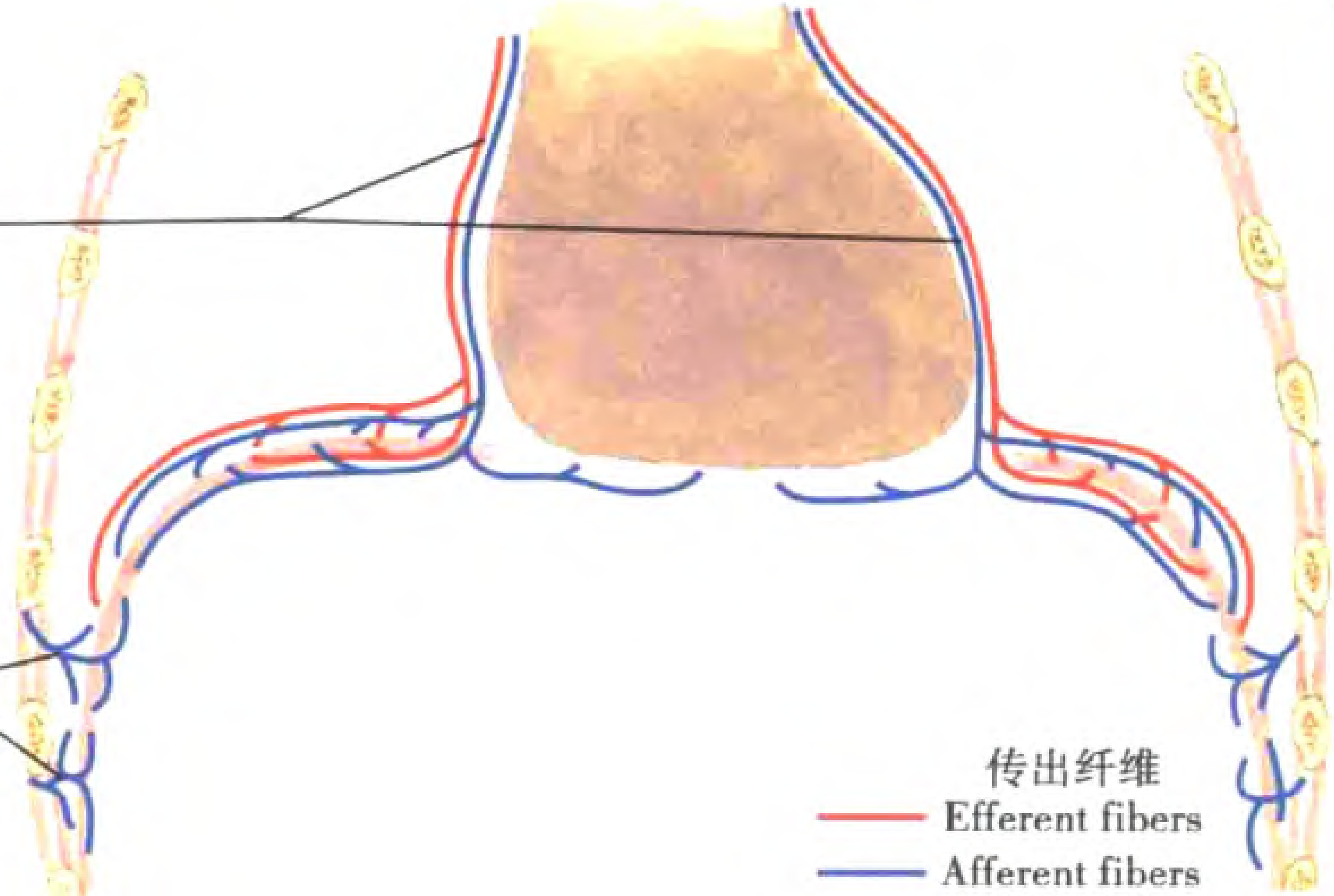


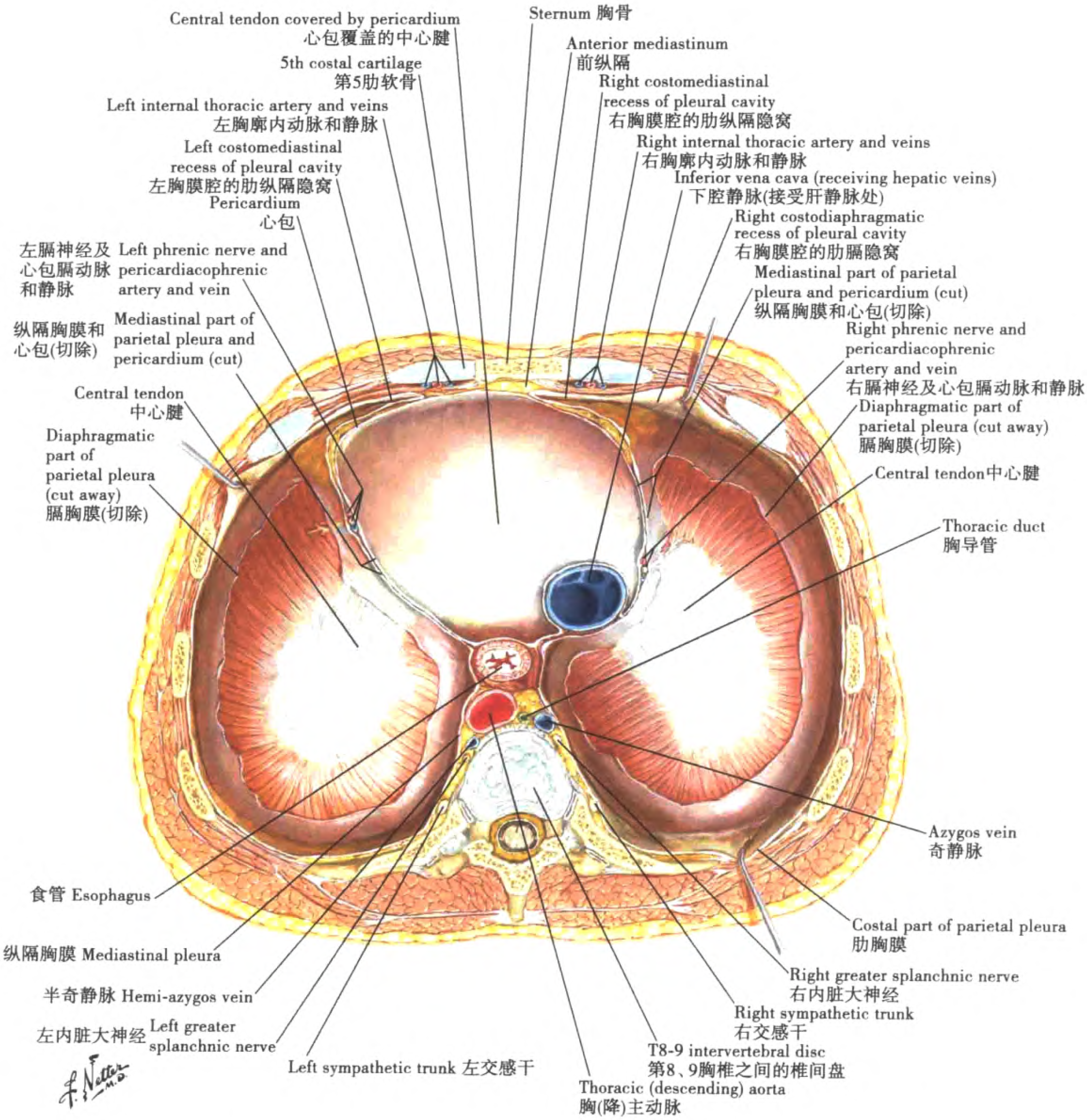
Inferior to the diaphragm, the azygos and hemi-azygos veins have connections with the ascending lumbar and/or the subcostal veins. The azygos vein may also arise from the inferior vena cava and the hemi-azygos vein from the left renal vein.

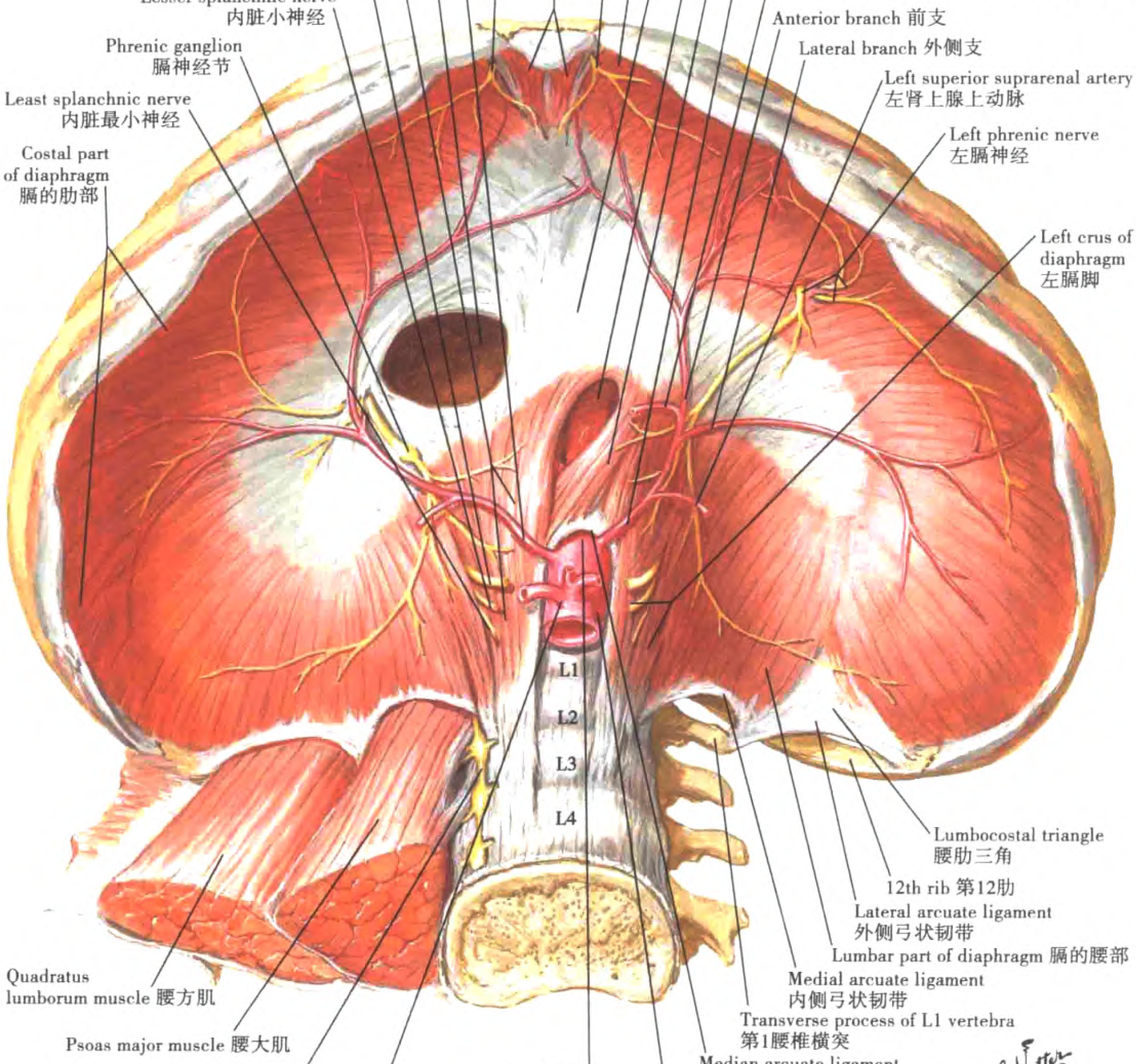
在膈下方,奇静脉和半奇静脉与腰升静脉和/或肋下静脉相沟通。奇静脉也可能起自下腔静脉,半奇静脉可能起自左肾静脉。

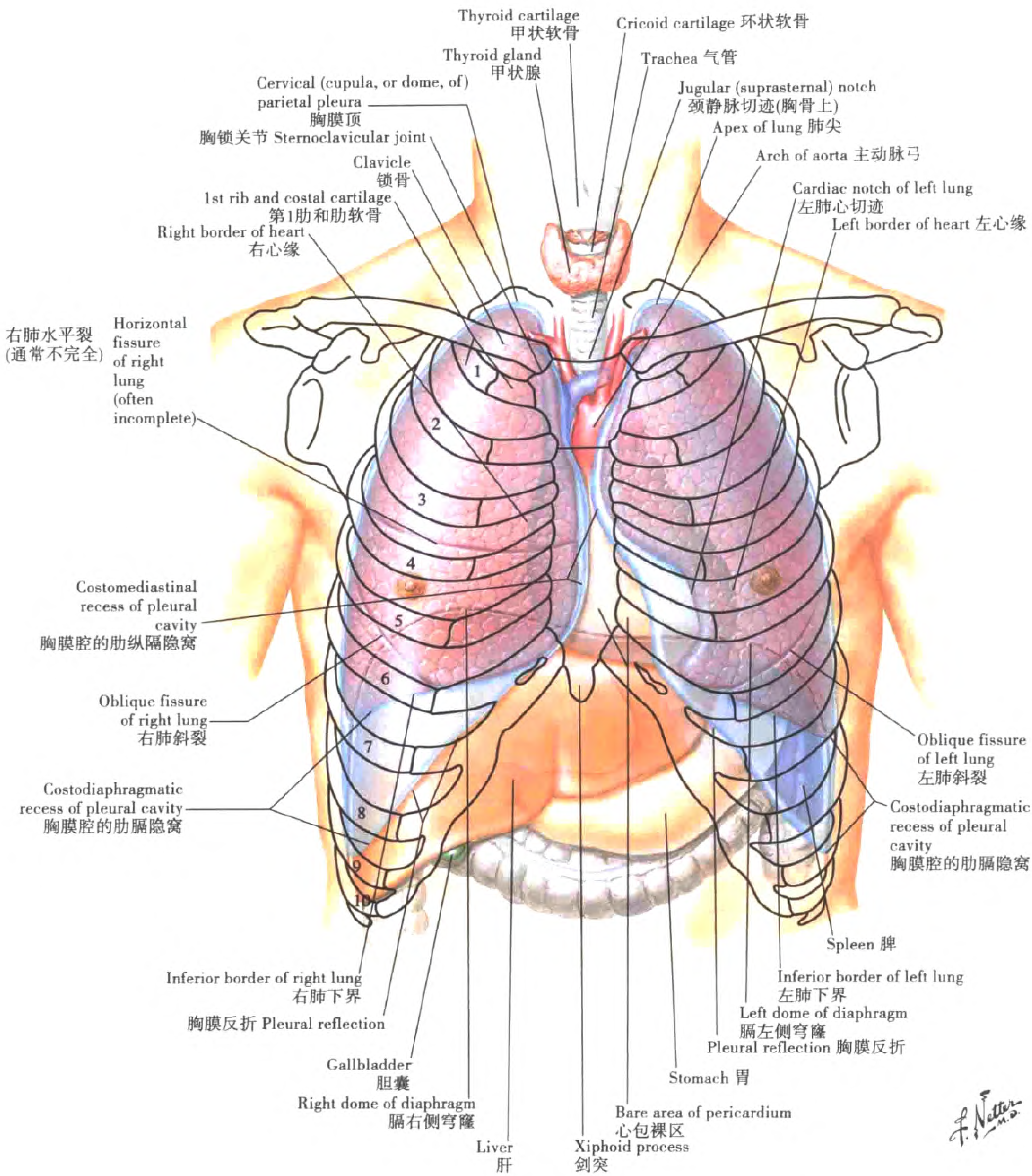
参见图 32,76

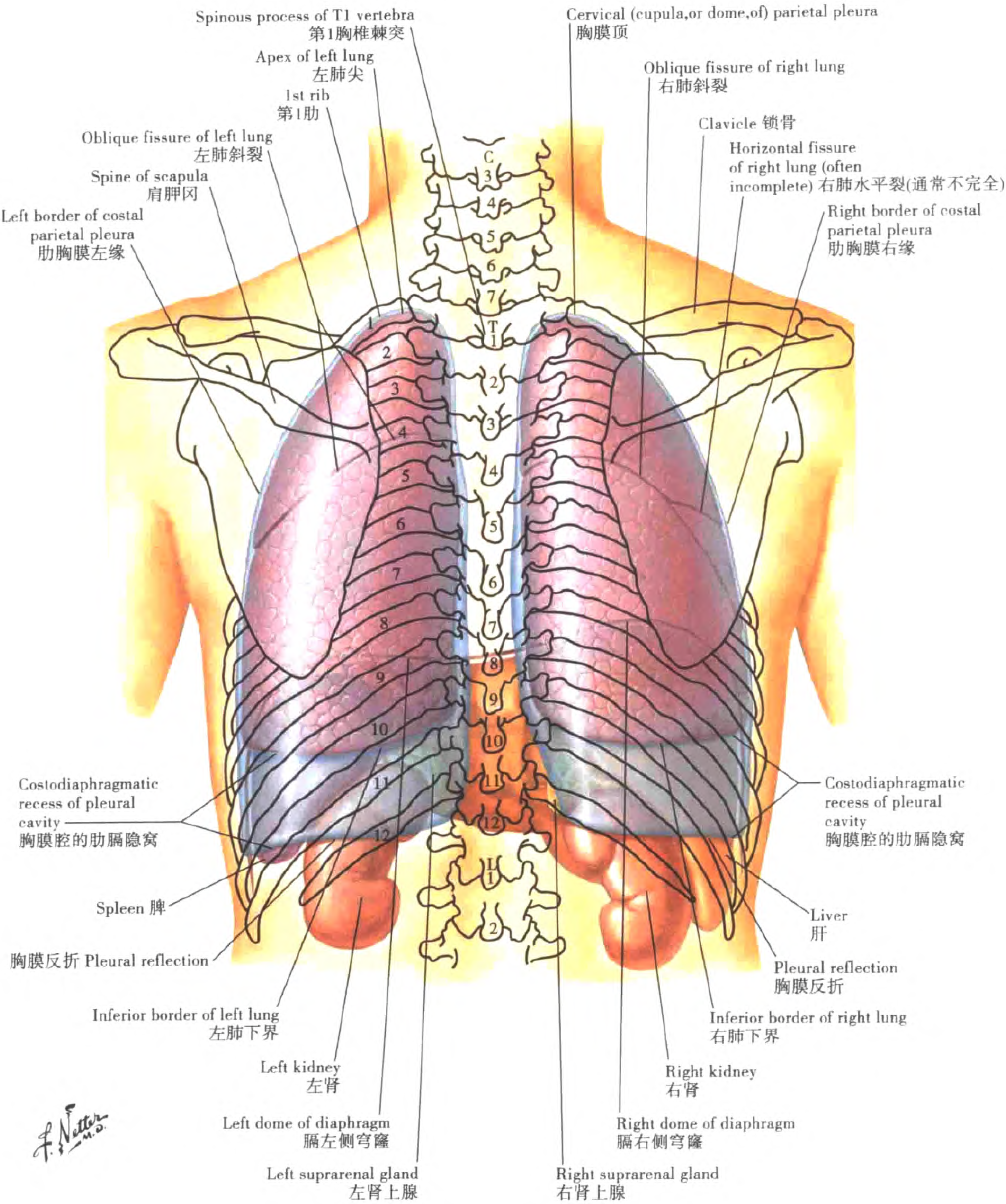

C3
C4
C5
Ventral rami
腹侧支
C3
C4
C5
Ventral rami
腹侧支
Anterior scalene muscle
前斜角肌
Right common carotid artery
右颈总动脉
臂丛 Brachial plexus
右膈神经 Right phrenic nerve
右腋动脉 Right axillary artery
Right vagus nerve(X)
右迷走神经(X)
Right internal thoracic artery (cut)
右胸廓内动脉(切断)
Brachiocephalic trunk
头臂干
Right pericardiacophrenic artery (cut)
右心包膈动脉(切断)
Superior vena cava
上腔静脉
Root of right lung
右肺根
Pericardial branch of phrenic nerve
膈神经的心包支
Mediastinal part of parietal pleura
纵膈胸膜
Diaphragmatic part of parietal pleura (cut)
膈胸膜(切除)
Anterior scalene muscle 前斜角肌
Left recurrent laryngeal nerve
左喉返神经
Left phrenic nerve 左膈神经
Left axillary artery 左腋动脉
Left vagus nerve(X)
左迷走神经(X)
Left common carotid artery
左颈总动脉
Left internal thoracic artery (cut) 左胸廓内动脉(切断)
Thoracic cardiac nerves
胸心神经
Left pericardiacophrenic artery (cut)
左心包膈动脉(切断)
Left recurrent laryngeal nerve 左喉返神经
Root of left lung 左肺根
Menaliastinal part of parietal pleura
纵膈胸膜
Costal part of parietal pleura
肋胸膜
Phrenico-abdominal branches of phrenic nerves to inferior surface of diaphragm
至膈下面的膈神经的膈腹支

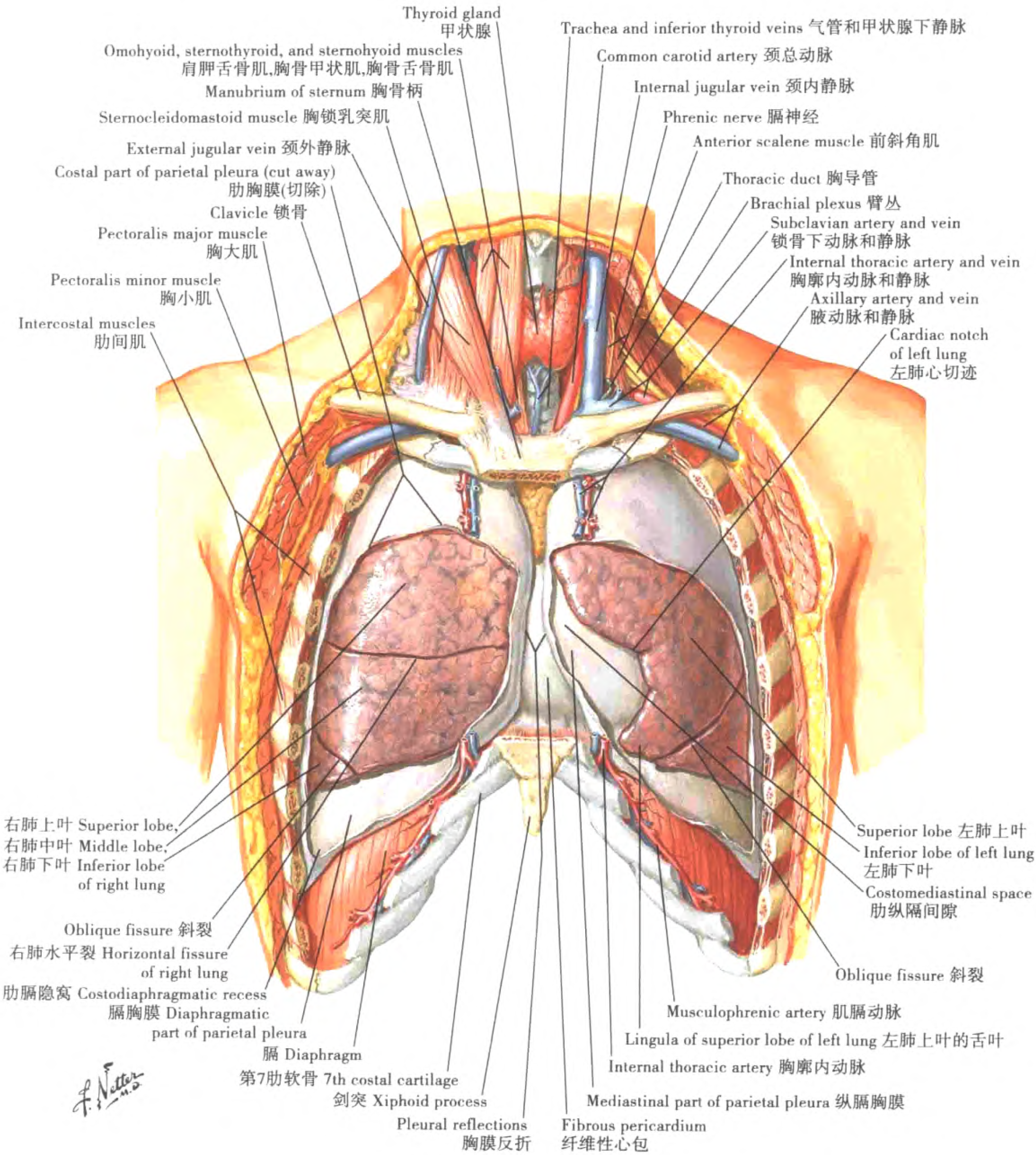

Phrenic nerves
(efferent and afferent fibers)
膈神经(传出和传入纤维)
Lower intercostal nerves
(afferent only from peripheral part of diaphragm)
下位肋间神经(传入纤维仅来自膈的周围部)
传出纤维
Efferent fibers
Afferent fibers
传入纤维
F. Netter M.D.


Central tendon covered by pericardium
心包覆盖的中心腱
5th costal cartilage
第5肋软骨
Left internal thoracic artery and veins
左胸廓内动脉和静脉
Left costomediastinal recess of pleural cavity
左胸膜腔的肋纵隔隐窝
Pericardium
心包
左膈神经及心包膈动脉和静脉
Left phrenic nerve and pericardiacophrenic artery and vein
纵隔胸膜和心包(切除)
Mediastinal part of parietal pleura and pericardium (cut)
Central tendon
中心腱
Diaphragmatic part of parietal pleura (cut away)
膈胸膜(切除)
Sternum 胸骨
Anterior mediastinum
前纵隔
Right costomediastinal recess of pleural cavity
右胸膜腔的肋纵隔隐窝
Right internal thoracic artery and veins
右胸廓内动脉和静脉
Inferior vena cava (receiving hepatic veins)
下腔静脉(接受肝静脉处)
Right costodiaphragmatic recess of pleural cavity
右胸膜腔的肋膈隐窝
Mediastinal part of parietal pleura and pericardium (cut)
纵隔胸膜和心包(切除)
Right phrenic nerve and pericardiacophrenic artery and vein
右膈神经及心包膈动脉和静脉
Diaphragmatic part of parietal pleura (cut away)
膈胸膜(切除)
Central tendon中心腱
Thoracic duct
胸导管
Azygos vein
奇静脉
Costal part of parietal pleura
肋胸膜
Right greater splanchnic nerve
右内脏大神经
Right sympathetic trunk
右交感干
T8-9 intervertebral disc
第8、9胸椎之间的椎间盘
Thoracic (descending) aorta
胸(降)主动脉
Left sympathetic trunk 左交感干
左内脏大神经 Left greater splanchnic nerve
半奇静脉 Hemi-azygos vein
纵隔胸膜 Mediastinal pleura
食管 Esophagus
F. Netter M.D.


Sternal part of diaphragm 膈的胸骨部
Anterior branch of right phrenic nerve 右膈神经前支
Right inferior phrenic artery 右膈下动脉
Caval opening 腔静脉孔
Right crus of diaphragm 右膈脚
Greater splanchnic nerve 内脏大神经
Lesser splanchnic nerve 内脏小神经
Phrenic ganglion 膈神经节
Least splanchnic nerve 内脏最小神经
Costal part of diaphragm 膈的肋部
Anterior branch of left phrenic nerve 左膈神经前支
Costal part of diaphragm 膈的肋部
Central tendon of diaphragm 膈肌中心腱
Esophageal hiatus 食管裂孔
Fibers from right crus passing to left of esophageal hiatus 从右侧膈脚穿经食管裂孔左侧的肌纤维
Left inferior phrenic artery 左膈下动脉
Recurrent branch to esophagus 至食管的反支
Anterior branch 前支
Lateral branch 外侧支
Left superior suprarenal artery 左肾上腺上动脉
Left phrenic nerve 左膈神经
Left crus of diaphragm 左膈脚
L1
L2
L3
L4
Lumbocostal triangle 腰肋三角
12th rib 第12肋
Lateral arcuate ligament 外侧弓状韧带
Lumbar part of diaphragm 膈的腰部
Medial arcuate ligament 内侧弓状韧带
Transverse process of L1 vertebra 第1腰椎横突
Median arcuate ligament 正中弓状韧带
Abdominal aorta 腹主动脉
Aortic hiatus 主动脉裂孔
Celiac trunk 腹腔干
Sympathetic trunk 交感干
Psoas major muscle 腰大肌
Quadratus lumborum muscle 腰方肌
F. Netter M.D.
C. Machado M.D.


Thyroid cartilage 甲状软骨
Cricoid cartilage 环状软骨
Thyroid gland 甲状腺
Trachea 气管
Cervical (cupula, or dome, of) parietal pleura 胸膜顶
Jugular (suprasternal) notch 颈静脉切迹(胸骨上)
Apex of lung 肺尖
胸锁关节 Sternoclavicular joint
Arch of aorta 主动脉弓
Clavicle 锁骨
Cardiac notch of left lung 左肺心切迹
1st rib and costal cartilage 第1肋和肋软骨
Left border of heart 左心缘
Right border of heart 右心缘
右肺水平裂 (通常不完全)
Horizontal fissure of right lung (often incomplete)
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Costomediastinal recess of pleural cavity 胸膜腔的肋纵隔隐窝
Oblique fissure of right lung 右肺斜裂
Oblique fissure of left lung 左肺斜裂
Costodiaphragmatic recess of pleural cavity 胸膜腔的肋膈隐窝
Costodiaphragmatic recess of pleural cavity 胸膜腔的肋膈隐窝
Spleen 脾
Inferior border of right lung 右肺下界
Inferior border of left lung 左肺下界
胸膜反折 Pleural reflection
Left dome of diaphragm 膈左侧穹窿
Pleural reflection 胸膜反折
Gallbladder 胆囊
Stomach 胃
Right dome of diaphragm 膈右侧穹窿
Bare area of pericardium 心包裸区
Liver 肝
Xiphoid process 剑突
F. Netter M.D.


Spinous process of T1 vertebra
第1胸椎棘突
Apex of left lung
左肺尖
1st rib
第1肋
Oblique fissure of left lung
左肺斜裂
Spine of scapula
肩胛冈
Left border of costal parietal pleura
肋胸膜左缘
Cervical (cupula,or dome,of) parietal pleura
胸膜顶
Oblique fissure of right lung
右肺斜裂
Clavicle 锁骨
Horizontal fissure of right lung (often incomplete) 右肺水平裂(通常不完全)
Right border of costal parietal pleura
肋胸膜右缘
Costodiaphragmatic recess of pleural cavity
胸膜腔的肋膈隐窝
Spleen 脾
胸膜反折 Pleural reflection
Inferior border of left lung
左肺下界
Left kidney
左肾
Left dome of diaphragm
膈左侧穹窿
Left suprarenal gland
左肾上腺
Costodiaphragmatic recess of pleural cavity
胸膜腔的肋膈隐窝
Liver
肝
Pleural reflection
胸膜反折
Inferior border of right lung
右肺下界
Right kidney
右肾
Right dome of diaphragm
膈右侧穹窿
Right suprarenal gland
右肾上腺
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Thyroid gland
甲状腺
Trachea and inferior thyroid veins 气管和甲状腺下静脉
Omohyoid, sternothyroid, and sternohyoid muscles
肩胛舌骨肌,胸骨甲状肌,胸骨舌骨肌
Common carotid artery 颈总动脉
Manubrium of sternum 胸骨柄
Internal jugular vein 颈内静脉
Sternocleidomastoid muscle 胸锁乳突肌
Phrenic nerve 膈神经
External jugular vein 颈外静脉
Anterior scalene muscle 前斜角肌
Costal part of parietal pleura (cut away)
肋胸膜(切除)
Thoracic duct 胸导管
Clavicle 锁骨
Brachial plexus 臂丛
Pectoralis major muscle
胸大肌
Subclavian artery and vein
锁骨下动脉和静脉
Internal thoracic artery and vein
胸廓内动脉和静脉
Pectoralis minor muscle
胸小肌
Axillary artery and vein
腋动脉和静脉
Intercostal muscles
肋间肌
Cardiac notch
of left lung
左肺心切迹
右肺上叶 Superior lobe,
右肺中叶 Middle lobe,
右肺下叶 Inferior lobe
of right lung
Superior lobe 左肺上叶
Inferior lobe of left lung
左肺下叶
Costomediastinal space
肋纵隔间隙
Oblique fissure 斜裂
右肺水平裂 Horizontal fissure
of right lung
Oblique fissure 斜裂
肋膈隐窝 Costodiaphragmatic recess
Musculophrenic artery 肌膈动脉
膈胸膜 Diaphragmatic
part of parietal pleura
Lingula of superior lobe of left lung 左肺上叶的舌叶
膈 Diaphragm
第7肋软骨 7th costal cartilage
Internal thoracic artery 胸廓内动脉
剑突 Xiphoid process
Mediastinal part of parietal pleura 纵隔胸膜
Pleural reflections
胸膜反折
Fibrous pericardium
纤维性心包
F. Netter M.D.

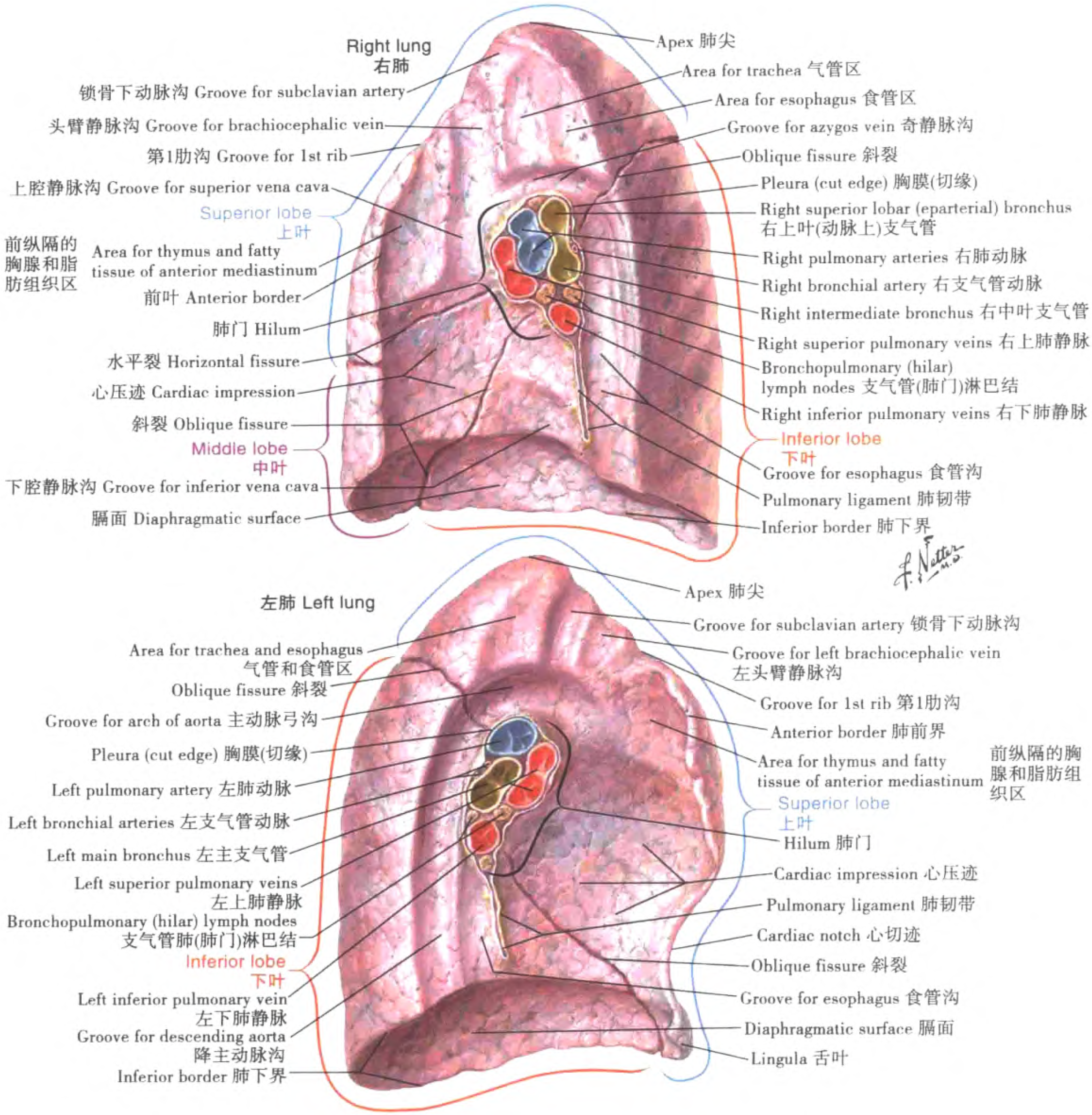
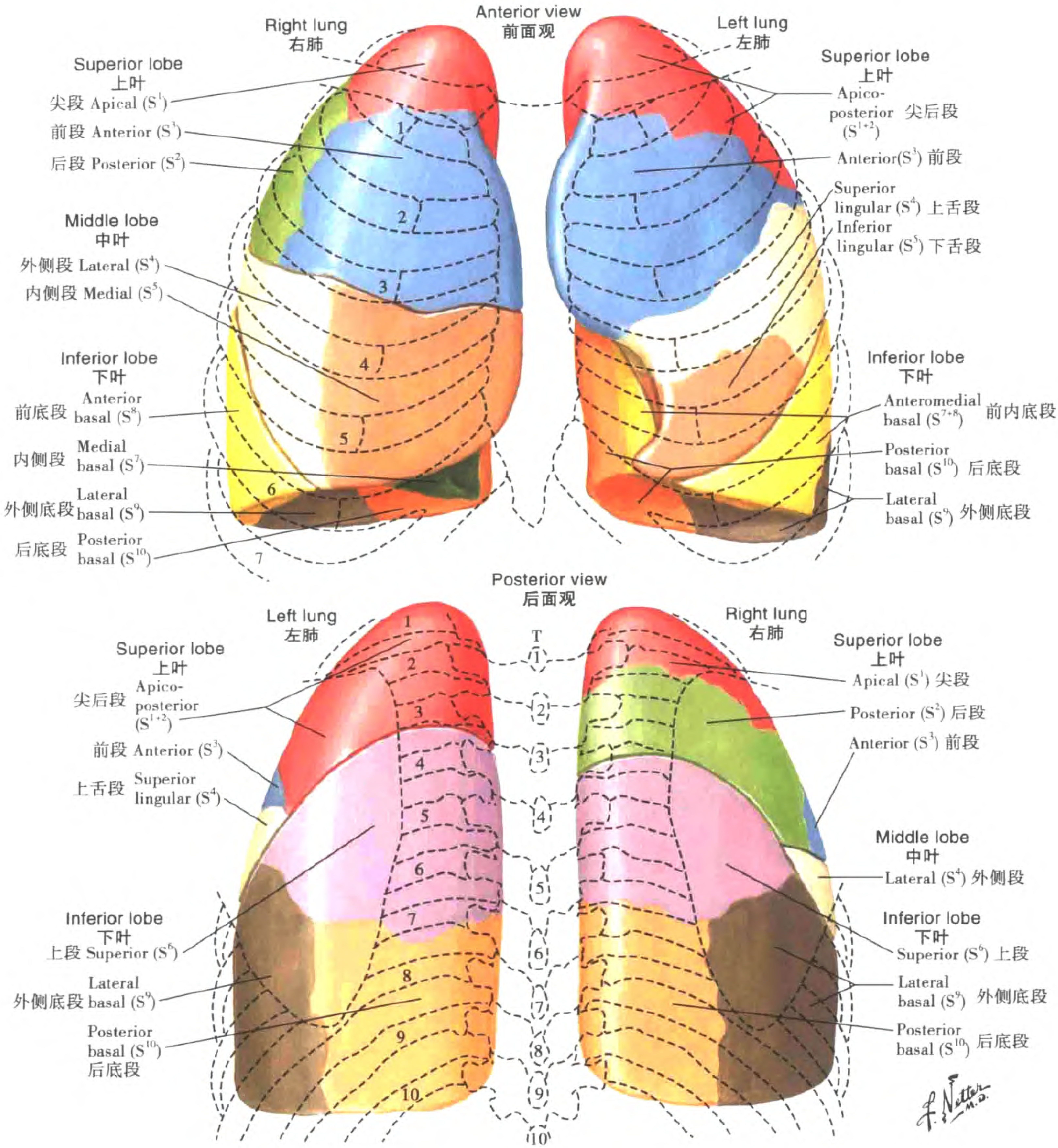

Right lung
右肺
锁骨下动脉沟 Groove for subclavian artery
头臂静脉沟 Groove for brachiocephalic vein
第1肋沟 Groove for 1st rib
上腔静脉沟 Groove for superior vena cava
Superior lobe
上叶
前纵隔的胸腺和脂肪组织区
Area for thymus and fatty tissue of anterior mediastinum
前叶 Anterior border
肺门 Hilum
水平裂 Horizontal fissure
心压迹 Cardiac impression
斜裂 Oblique fissure
Middle lobe
中叶
下腔静脉沟 Groove for inferior vena cava
膈面 Diaphragmatic surface
Apex 肺尖
Area for trachea 气管区
Area for esophagus 食管区
Groove for azygos vein 奇静脉沟
Oblique fissure 斜裂
Pleura (cut edge) 胸膜(切缘)
Right superior lobar (eparterial) bronchus
右上叶(动脉上)支气管
Right pulmonary arteries 右肺动脉
Right bronchial artery 右支气管动脉
Right intermediate bronchus 右中叶支气管
Right superior pulmonary veins 右上肺静脉
Bronchopulmonary (hilar) lymph nodes 支气管(肺门)淋巴结
Right inferior pulmonary veins 右下肺静脉
Inferior lobe
下叶
Groove for esophagus 食管沟
Pulmonary ligament 肺韧带
Inferior border 肺下界
左肺 Left lung
Area for trachea and esophagus
气管和食管区
Oblique fissure 斜裂
Groove for arch of aorta 主动脉弓沟
Pleura (cut edge) 胸膜(切缘)
Left pulmonary artery 左肺动脉
Left bronchial arteries 左支气管动脉
Left main bronchus 左主支气管
Left superior pulmonary veins
左上肺静脉
Bronchopulmonary (hilar) lymph nodes
支气管肺(肺门)淋巴结
Inferior lobe
下叶
Left inferior pulmonary vein
左下肺静脉
Groove for descending aorta
降主动脉沟
Inferior border 肺下界
Apex 肺尖
Groove for subclavian artery 锁骨下动脉沟
Groove for left brachiocephalic vein
左头臂静脉沟
Groove for 1st rib 第1肋沟
Anterior border 肺前界
Area for thymus and fatty tissue of anterior mediastinum
前纵隔的胸腺和脂肪组织区
Superior lobe
上叶
Hilum 肺门
Cardiac impression 心压迹
Pulmonary ligament 肺韧带
Cardiac notch 心切迹
Oblique fissure 斜裂
Groove for esophagus 食管沟
Diaphragmatic surface 膈面
Lingula 舌叶

图196 肺


Anterior view
前面观
Right lung
右肺
Left lung
左肺
Superior lobe
上叶
尖段 Apical (S^1)
前段 Anterior (S^3)
后段 Posterior (S^2)
Middle lobe
中叶
外侧段 Lateral (S^4)
内侧段 Medial (S^5)
Inferior lobe
下叶
前底段 Anterior basal (S^8)
内侧段 Medial basal (S^7)
外侧底段 Lateral basal (S^9)
后底段 Posterior basal (S^{10})
Superior lobe
上叶
Apico-posterior (S^{1+2}) 尖后段
Anterior(S^3) 前段
Superior lingular (S^4) 上舌段
Inferior lingular (S^5) 下舌段
Inferior lobe
下叶
Anteromedial basal (S^{7+8}) 前内底段
Posterior basal (S^{10}) 后底段
Lateral basal (S^9) 外侧底段
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Posterior view
后面观
Left lung
左肺
Right lung
右肺
Superior lobe
上叶
尖后段 Apico-posterior (S^{1+2})
前段 Anterior (S^3)
上舌段 Superior lingular (S^4)
Inferior lobe
下叶
上段 Superior (S^6)
外侧底段 Lateral basal (S^9)
Posterior basal (S^{10}) 后底段
Superior lobe
上叶
Apical (S^1) 尖段
Posterior (S^2) 后段
Anterior (S^3) 前段
Middle lobe
中叶
Lateral (S^4) 外侧段
Inferior lobe
下叶
Superior (S^6) 上段
Lateral basal (S^9) 外侧底段
Posterior basal (S^{10}) 后底段
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F. Netter M.D.

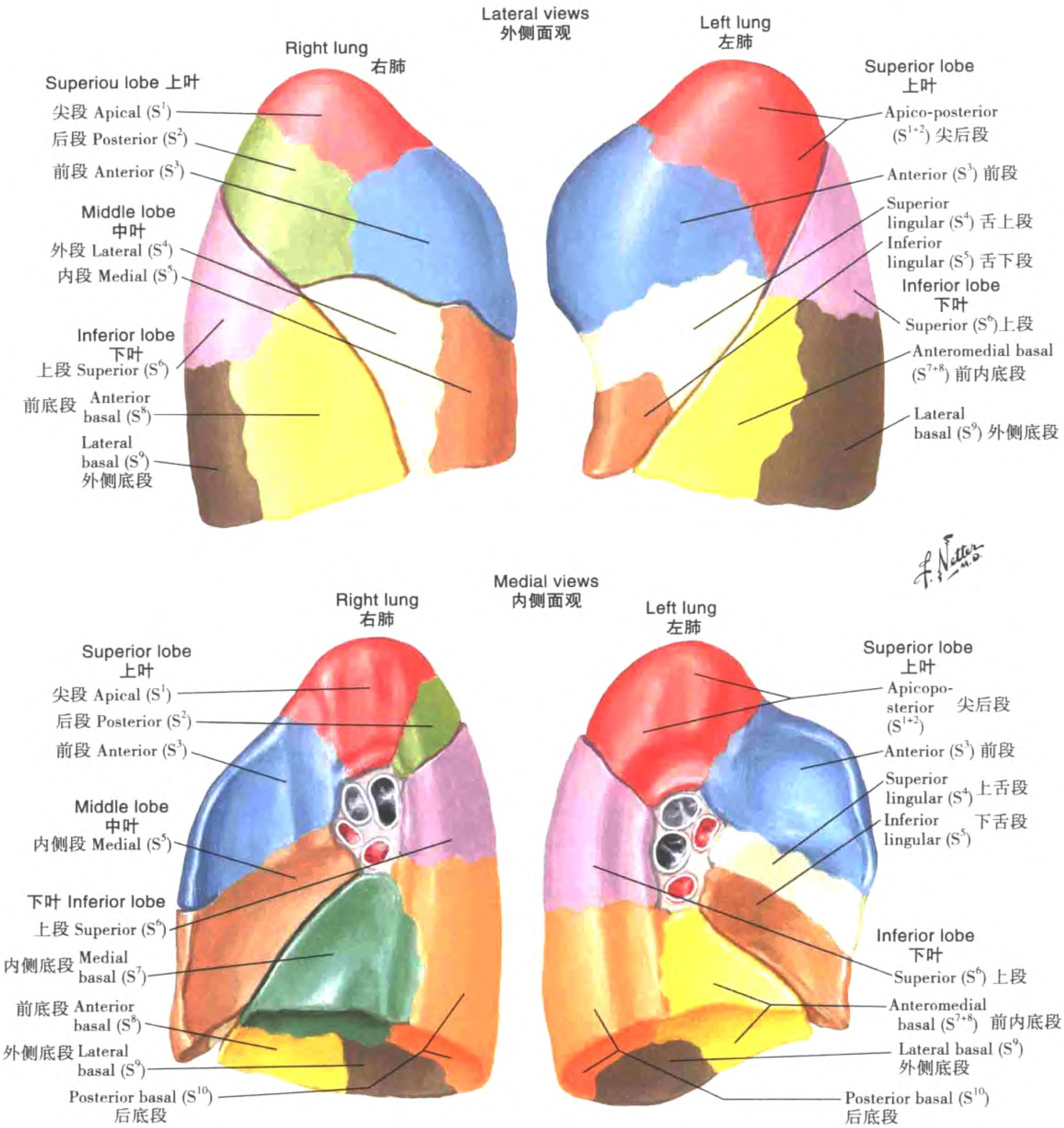
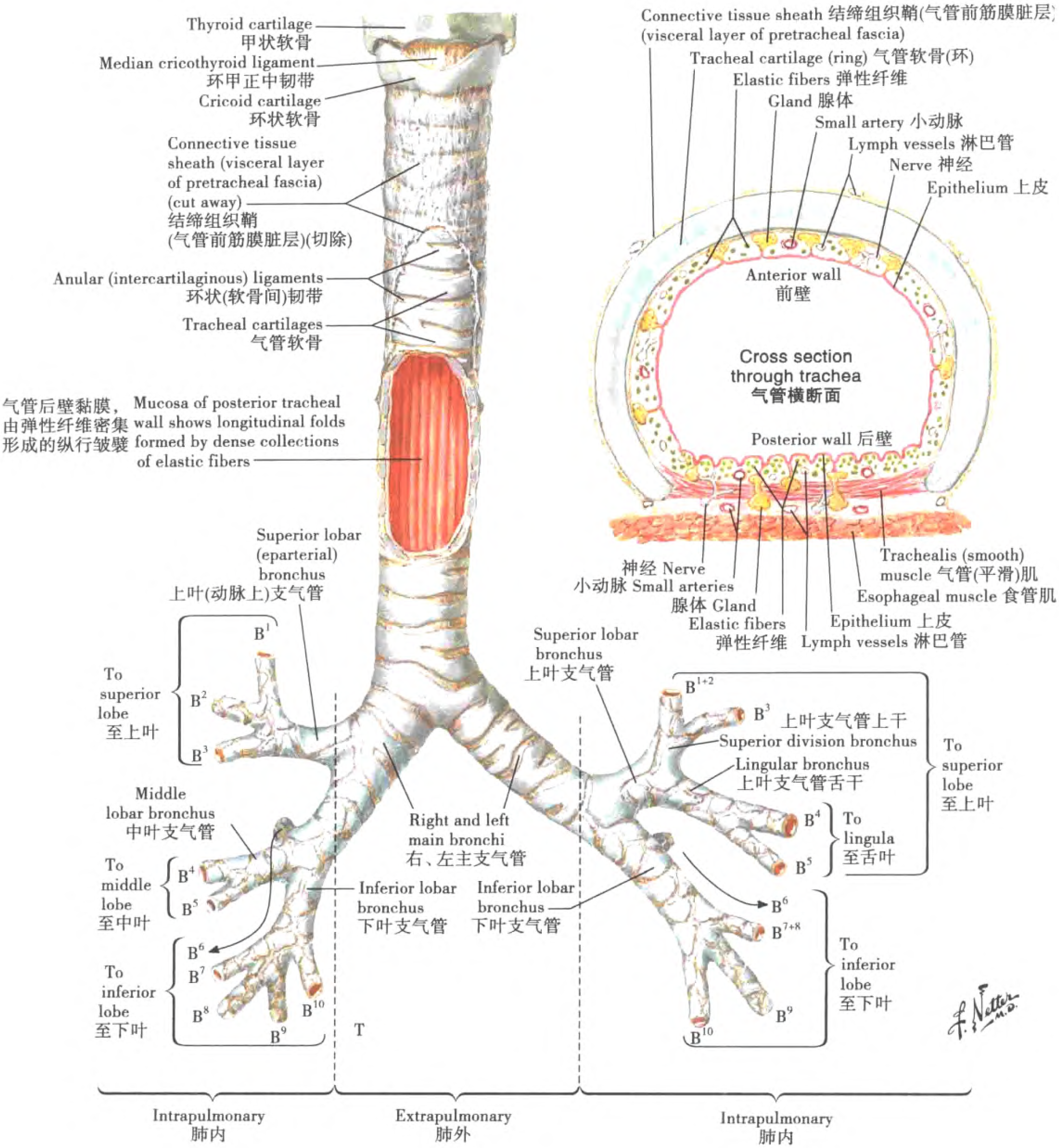
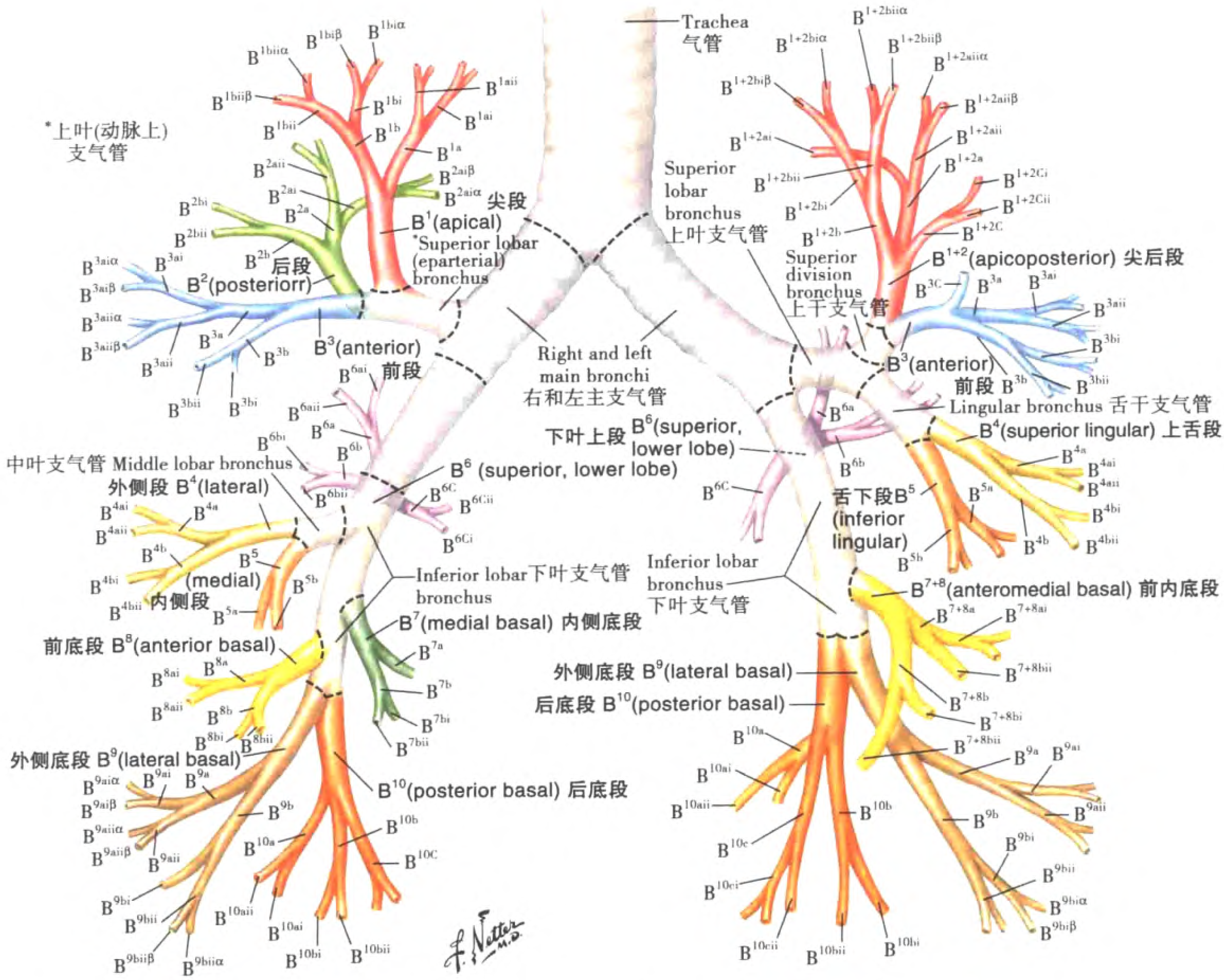

Lateral views
外侧面观
Right lung
右肺
Superiou lobe 上叶
尖段 Apical (S^1)
后段 Posterior (S^2)
前段 Anterior (S^3)
Middle lobe
中叶
外段 Lateral (S^4)
内段 Medial (S^5)
Inferior lobe
下叶
上段 Superior (S^6)
前底段 Anterior basal (S^8)
Lateral basal (S^9)
外侧底段
Left lung
左肺
Superior lobe
上叶
Apico-posterior (S^{1+2}) 尖后段
Anterior (S^3) 前段
Superior lingular (S^4) 舌上段
Inferior lingular (S^5) 舌下段
Inferior lobe
下叶
Superior (S^6)上段
Anteromedial basal (S^{7+8}) 前内底段
Lateral basal (S^9) 外侧底段
F. Netter M.D.
Medial views
内侧面观
Right lung
右肺
Superior lobe
上叶
尖段 Apical (S^1)
后段 Posterior (S^2)
前段 Anterior (S^3)
Middle lobe
中叶
内侧段 Medial (S^5)
下叶 Inferior lobe
上段 Superior (S^6)
内侧底段 Medial basal (S^7)
前底段 Anterior basal (S^8)
外侧底段 Lateral basal (S^9)
Posterior basal (S^{10})
后底段
Left lung
左肺
Superior lobe
上叶
Apicoposterior (S^{1+2}) 尖后段
Anterior (S^3) 前段
Superior lingular (S^4) 上舌段
Inferior lingular (S^5) 下舌段
Inferior lobe
下叶
Superior (S^6) 上段
Anteromedial basal (S^{7+8}) 前内底段
Lateral basal (S^9)
外侧底段
Posterior basal (S^{10})
后底段

图 198 肺

参见图 70,204,207



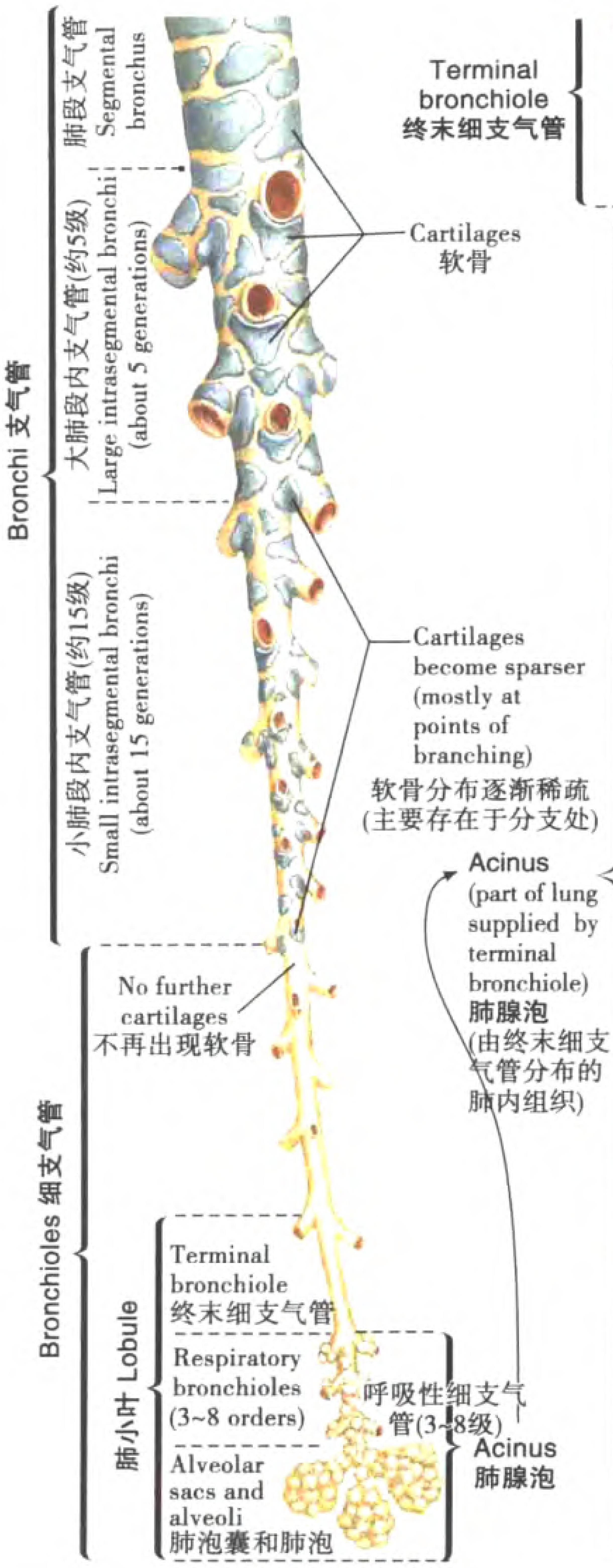


Nomenclature in common usage for bronchopulmonary segments (Plates 197 and 198) is that of Jackson and Huber, and segmental bronchi are named accordingly. Ikeda proposed nomenclature (as demonstrated here) for bronchial subdivisions as far as the 6th generation. For simplification on this illustration, only some bronchial subdivisions are labeled as far as the 5th or 6th generation. Segmental bronchi (B) are numbered from 1 to 10 in each lung, corresponding to pulmonary segments. In the left lung, B^1 and B^2 are combined as are B^7 and B^8. Subsegmental, or 4th order, bronchi are indicated by the addition of lowercase letters a, b, or c when an additional branch is present. Fifth order bronchi are designated by Roman numerals i (anterior) or ii (posterior) and 6th order bronchi by Greek letters α or β. Several texts use alternate numbers (as proposed by Boyden) for segmental bronchi.

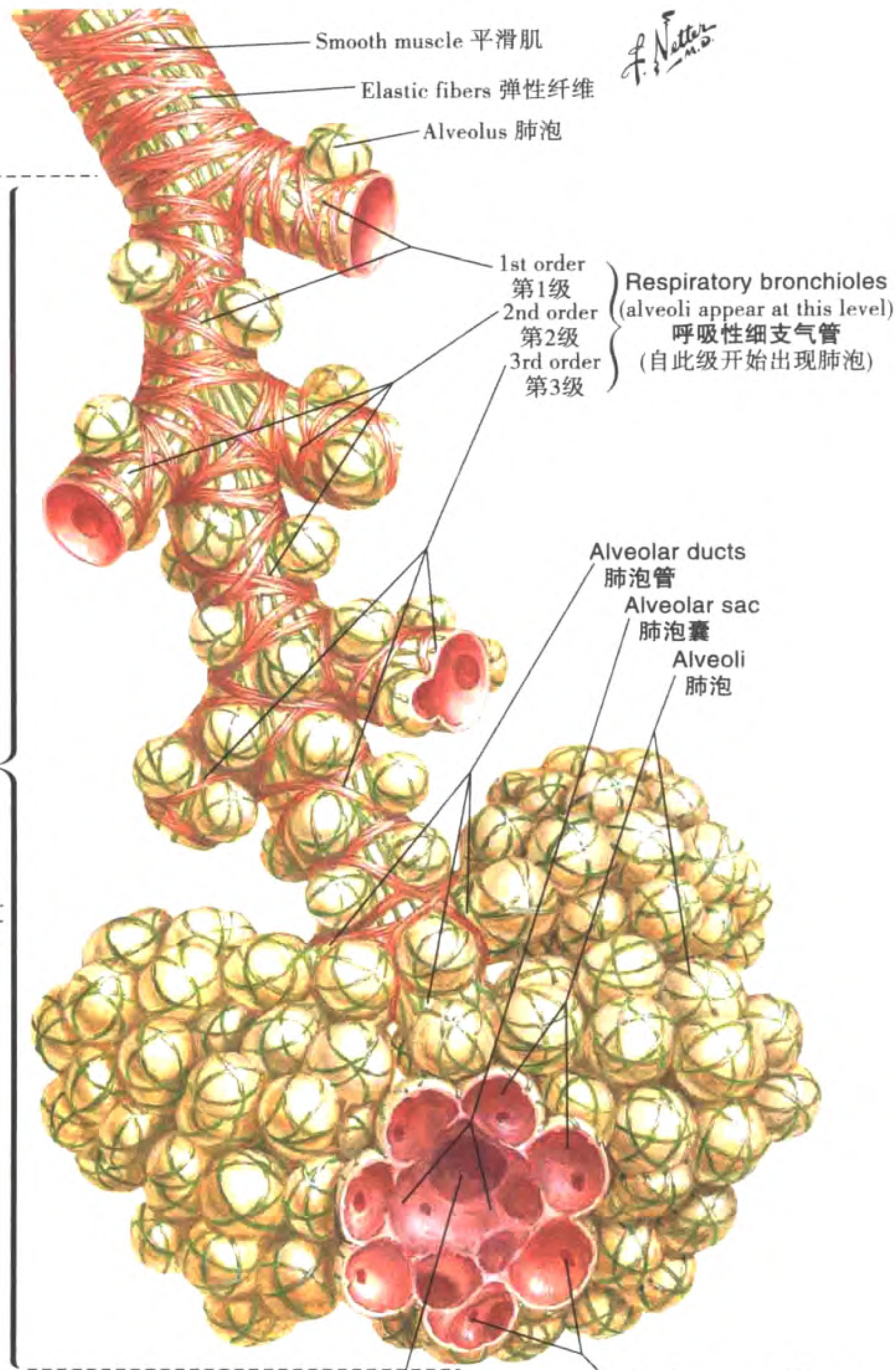
Variations of the standard bronchial pattern shown here are common, especially in peripheral airways.

支气管肺段的常用名称(图197和图198)是根据Jackson和Huber方法命名的,肺段支气管也按照其相应的肺段命名。Ikeda提议应将支气管命名到第5~6级分支(如此出所示)。为简化图示,此处仅对部分支气管标记到5~6级分支。每侧肺的段支气管(B)按照相应肺段从1标记到10。在左肺,B1和B2、B7和B8结合在一起。段以下或存在额外分支时,用a,b或c表示。5级支气管用罗马数字i(前)或ii(后)表示。6级支气管用希腊字母α或β表示。一些版本使用其他数字(如Boyden)替代段支气管。

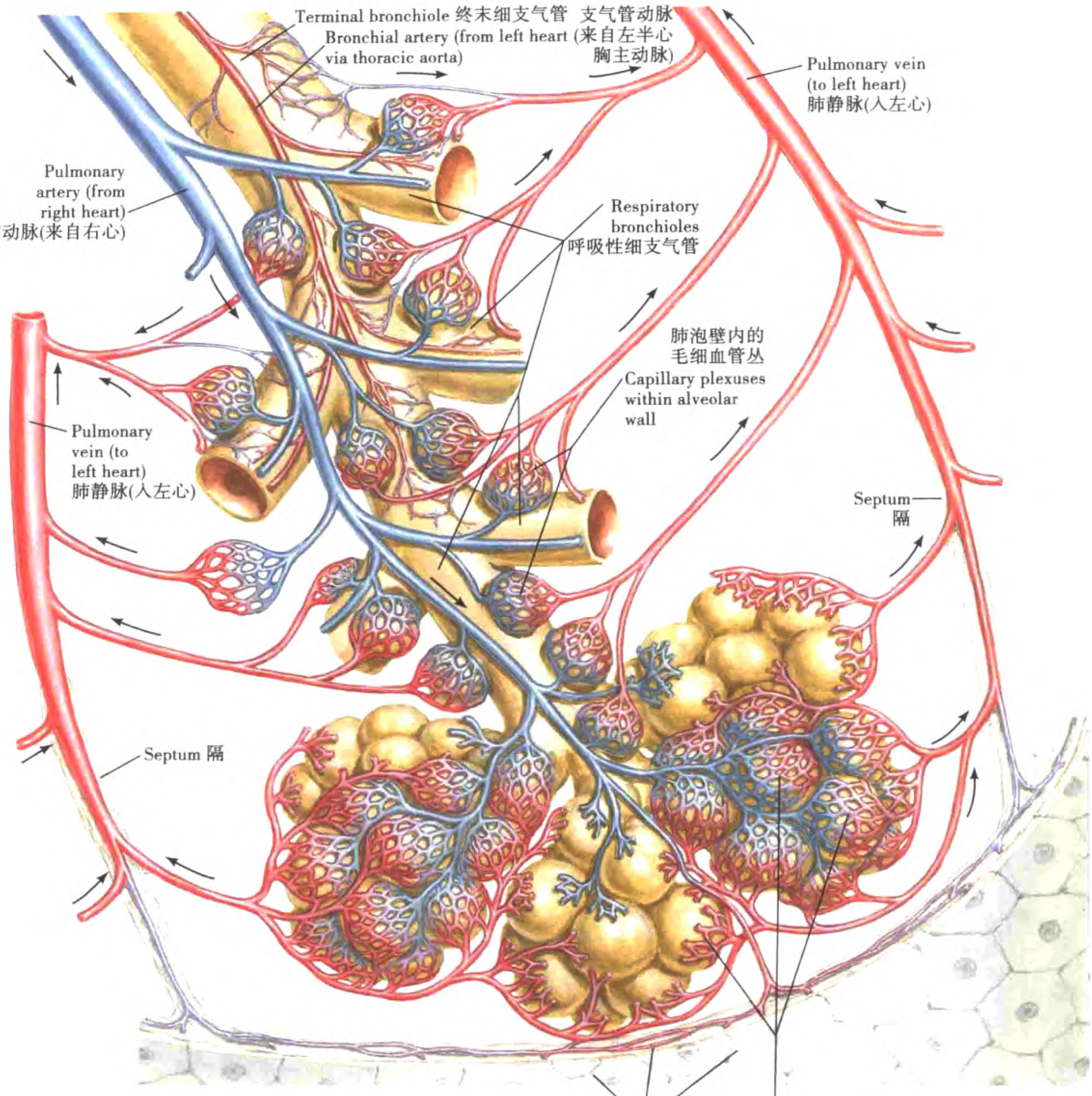
此处显示的是支气管标准模式,尤其是外周气道的常见变异情况。



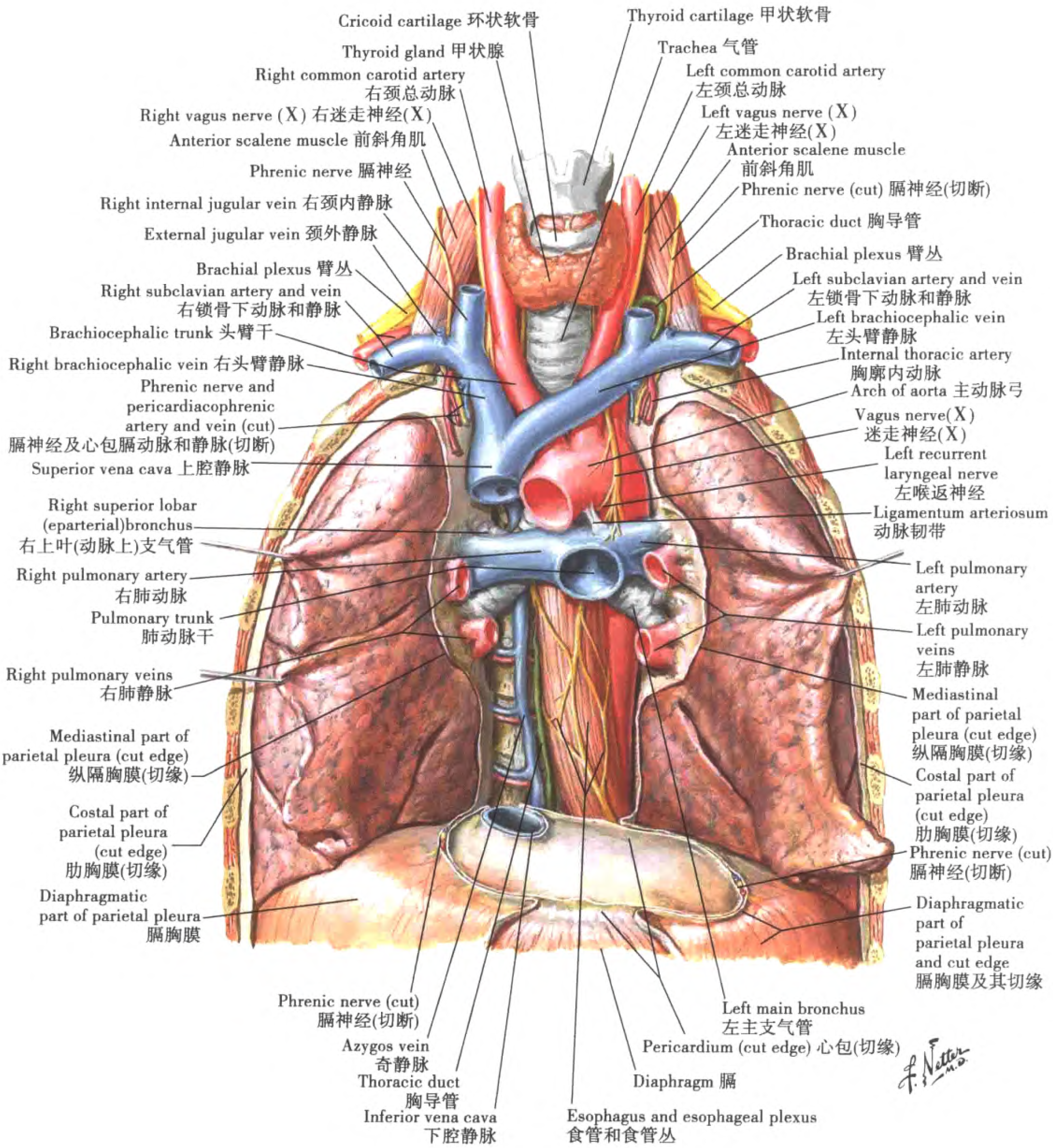
Subdivisions of intrapulmonary airways
肺内气道的分级

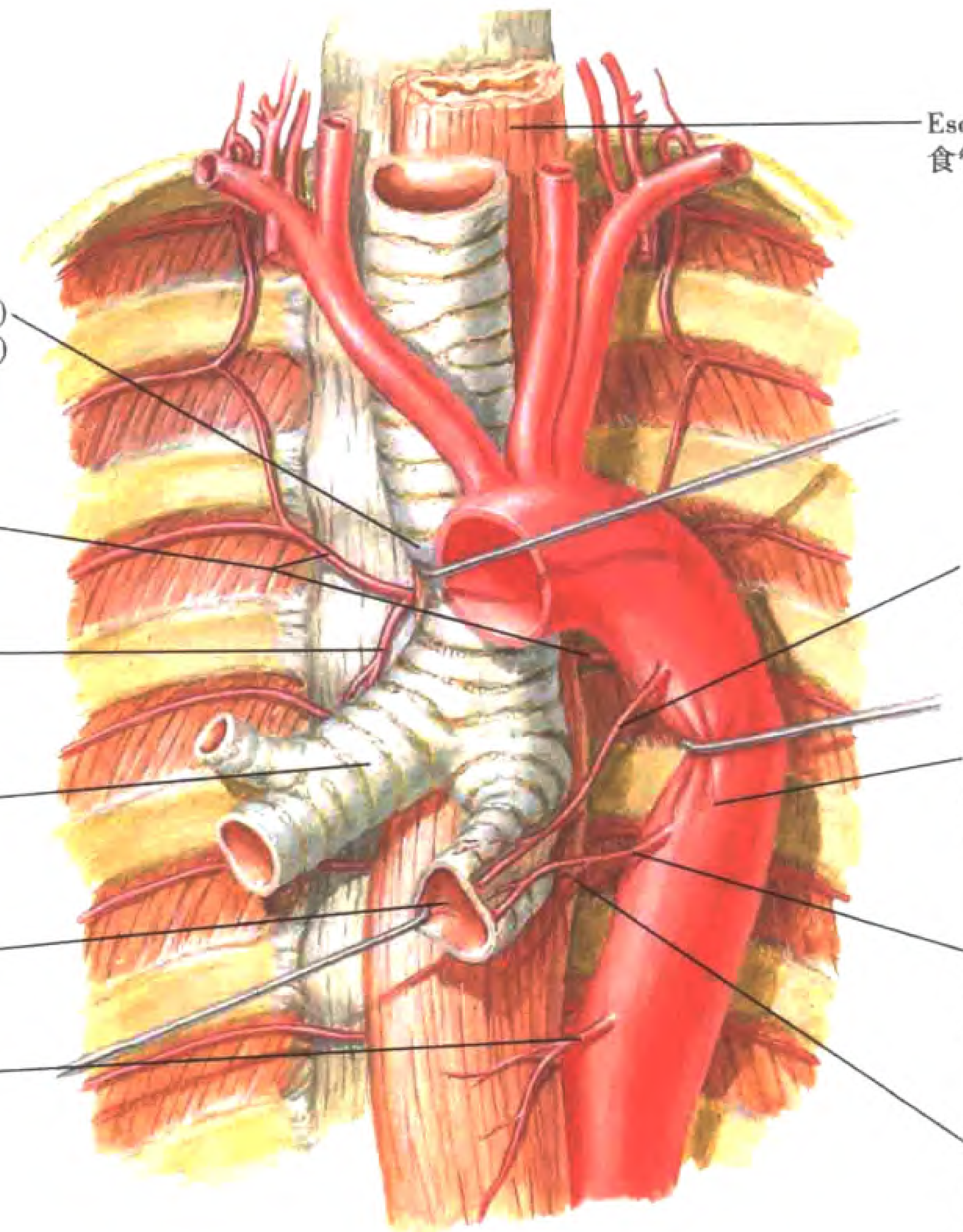


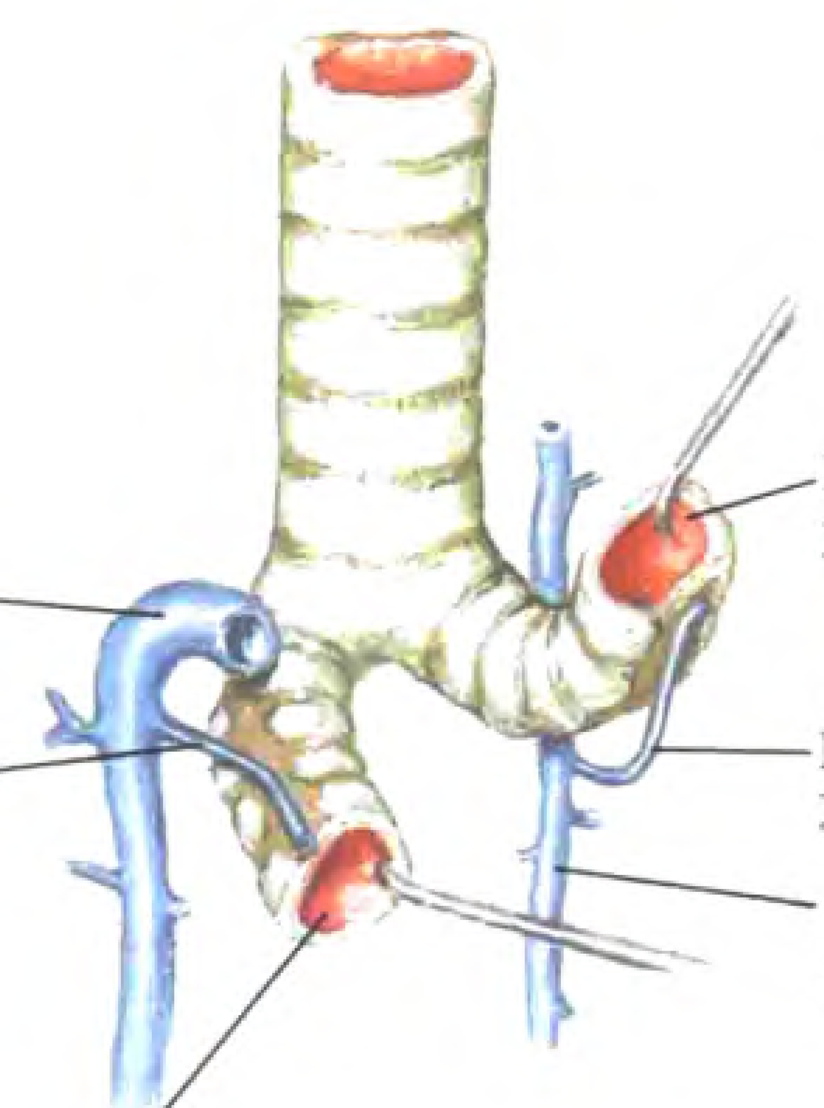
Structure of intrapulmonary airways
肺内气道结构



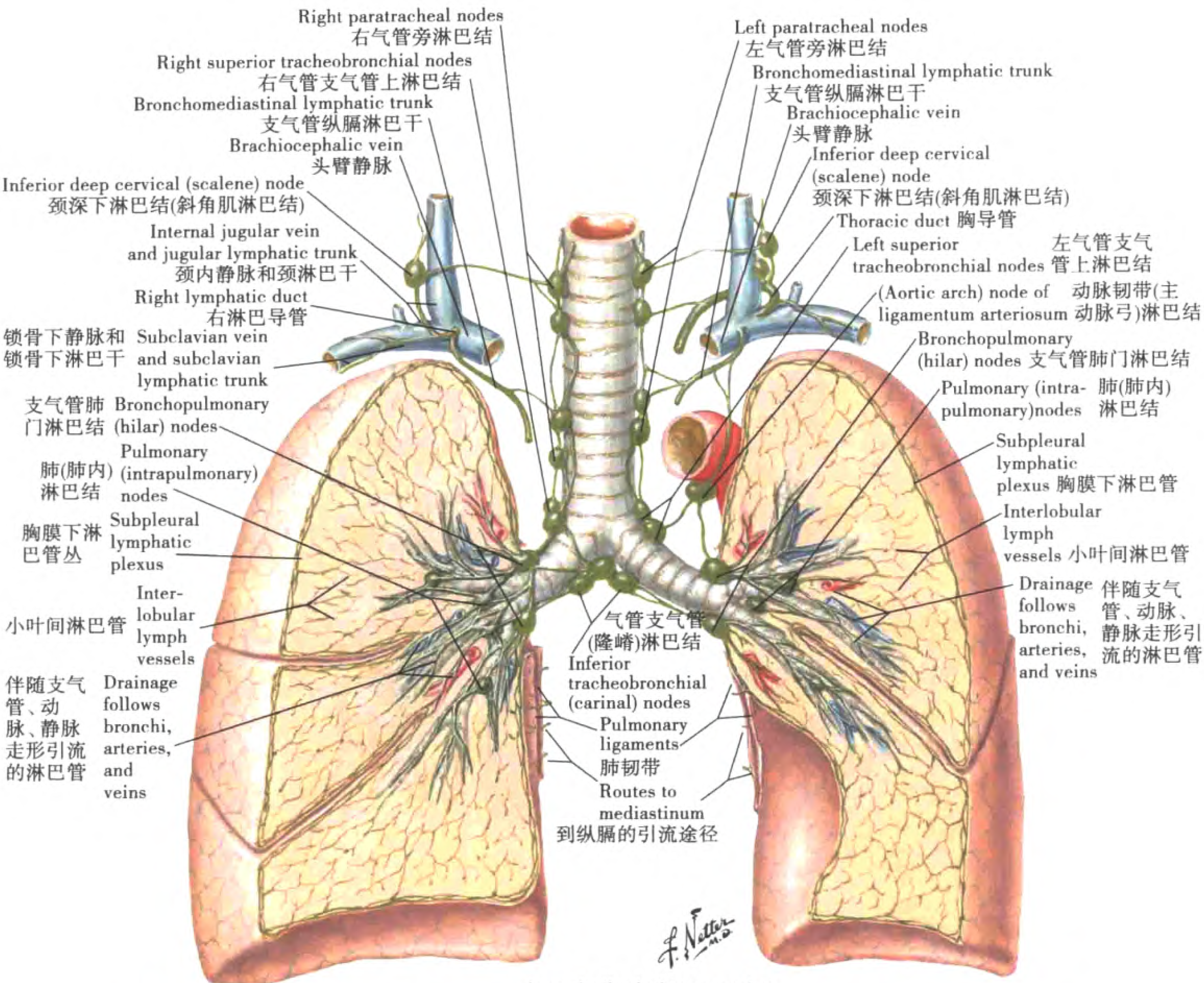
Pulmonary arteries and their branches distribute segmentally with the bronchi. Pulmonary veins and their tributaries drain intersegmentally.
肺动脉及其分支沿支气管分段分布。肺静脉及其属支接受肺段内的血液。


Cricoid cartilage 环状软骨
Thyroid cartilage 甲状软骨
Thyroid gland 甲状腺
Trachea 气管
Right common carotid artery 右颈总动脉
Left common carotid artery 左颈总动脉
Right vagus nerve (X) 右迷走神经(X)
Left vagus nerve (X) 左迷走神经(X)
Anterior scalene muscle 前斜角肌
Anterior scalene muscle 前斜角肌
Phrenic nerve 膈神经
Phrenic nerve (cut) 膈神经(切断)
Right internal jugular vein 右颈内静脉
Thoracic duct 胸导管
External jugular vein 颈外静脉
Brachial plexus 臂丛
Brachial plexus 臂丛
Left subclavian artery and vein 左锁骨下动脉和静脉
Right subclavian artery and vein 右锁骨下动脉和静脉
Left brachiocephalic vein 左头臂静脉
Brachiocephalic trunk 头臂干
Internal thoracic artery 胸廓内动脉
Right brachiocephalic vein 右头臂静脉
Arch of aorta 主动脉弓
Phrenic nerve and pericardiacophrenic artery and vein (cut) 膈神经及心包膈动脉和静脉(切断)
Vagus nerve(X) 迷走神经(X)
Superior vena cava 上腔静脉
Left recurrent laryngeal nerve 左喉返神经
Right superior lobar (eparterial)bronchus 右上叶(动脉上)支气管
Ligamentum arteriosum 动脉韧带
Right pulmonary artery 右肺动脉
Left pulmonary artery 左肺动脉
Pulmonary trunk 肺动脉干
Left pulmonary veins 左肺静脉
Right pulmonary veins 右肺静脉
Mediastinal part of parietal pleura (cut edge) 纵隔胸膜(切缘)
Mediastinal part of parietal pleura (cut edge) 纵隔胸膜(切缘)
Costal part of parietal pleura (cut edge) 肋胸膜(切缘)
Costal part of parietal pleura (cut edge) 肋胸膜(切缘)
Phrenic nerve (cut) 膈神经(切断)
Diaphragmatic part of parietal pleura 膈胸膜
Diaphragmatic part of parietal pleura and cut edge 膈胸膜及其切缘
Phrenic nerve (cut) 膈神经(切断)
Left main bronchus 左主支气管
Azygos vein 奇静脉
Pericardium (cut edge) 心包(切缘)
Thoracic duct 胸导管
Diaphragm 膈
Inferior vena cava 下腔静脉
Esophagus and esophageal plexus 食管和食管丛
F. Netter M.D.


Esophagus
食管
Trachea (pulled to left by hook)
气管(被拉钩拉向左侧)
3rd right posterior intercostal artery
右第3肋间后动脉
Right bronchial artery
右支气管动脉
Right main bronchus
右主支气管
Left main bronchus (pulled to right by hook)
左主支气管(被拉钩拉向右侧)
Esophageal artery
食管动脉
Superior left bronchial artery
左支气管上动脉
Aorta (pulled aside by hook)
主动脉(被拉钩拉向一侧)
Inferior left bronchial artery
左支气管下动脉
Esophageal branch of bronchial artery
支气管动脉食管支


Azygos vein
奇静脉
Right bronchial vein
右支气管静脉
Right main bronchus (pulled to left and rotated by hook)
右主支气管(被拉钩拉向左侧并旋转)
Left main bronchus (turned up by hook)
左主支气管(被拉钩拉向上方)
Left bronchial vein
左支气管静脉
Accessory hemiazygos vein
副半奇静脉

参见图 74,235



Lymphatic drainage routes

Right lung: All lobes drain to pulmonary and bronchopulmonary (hilar) nodes, then to inferior tracheobronchial (carinal) nodes, right superior tracheobronchial nodes, and right paratracheal nodes on the way to the brachiocephalic vein via the bronchomediastinal lymphatic trunk and/or inferior deep cervical (scalene) node.

右肺：各叶汇入肺和支气管(肺门)淋巴结,然后汇入气管支气管(隆突)淋巴结、右气管支气管上淋巴结和右气管旁淋巴结,经支气管纵隔干和(或)颈深下(斜角肌)淋巴结注入头臂静脉。

Left lung: The superior lobe drains to pulmonary and bronchopulmonary(hilar) nodes, inferior tracheobronchial (carinal) nodes, left superior tracheobronchial nodes, left paratracheal nodes and/or (aortic arch) node of ligamentum arteriosum, then to the brachiocephalic vein via the left bronchomediastinal trunk and thoracic duct. The left inferior lobe also drains to the pulmonary and bronchopulmonary (hilar) nodes and to inferior tracheobronchial (carinal) nodes, but then mostly to right superior tracheobronchial nodes, where it follows the same route as lymph from the right lung.

左肺：上叶引流到肺和支气管肺(门)淋巴结、气管支气管下(隆突)淋巴结、左气管支气管上淋巴结、左气管旁淋巴结和(或)动脉韧带(主动脉弓)淋巴结,然后通过左主支气管纵隔干和胸导管汇入左头臂静脉。下叶也引流到肺和支气管肺(门)淋巴结和气管支气管下(隆突)淋巴结,然后大部分到右气管支气管上淋巴结,此后沿着与右肺相同的淋巴途径引流。

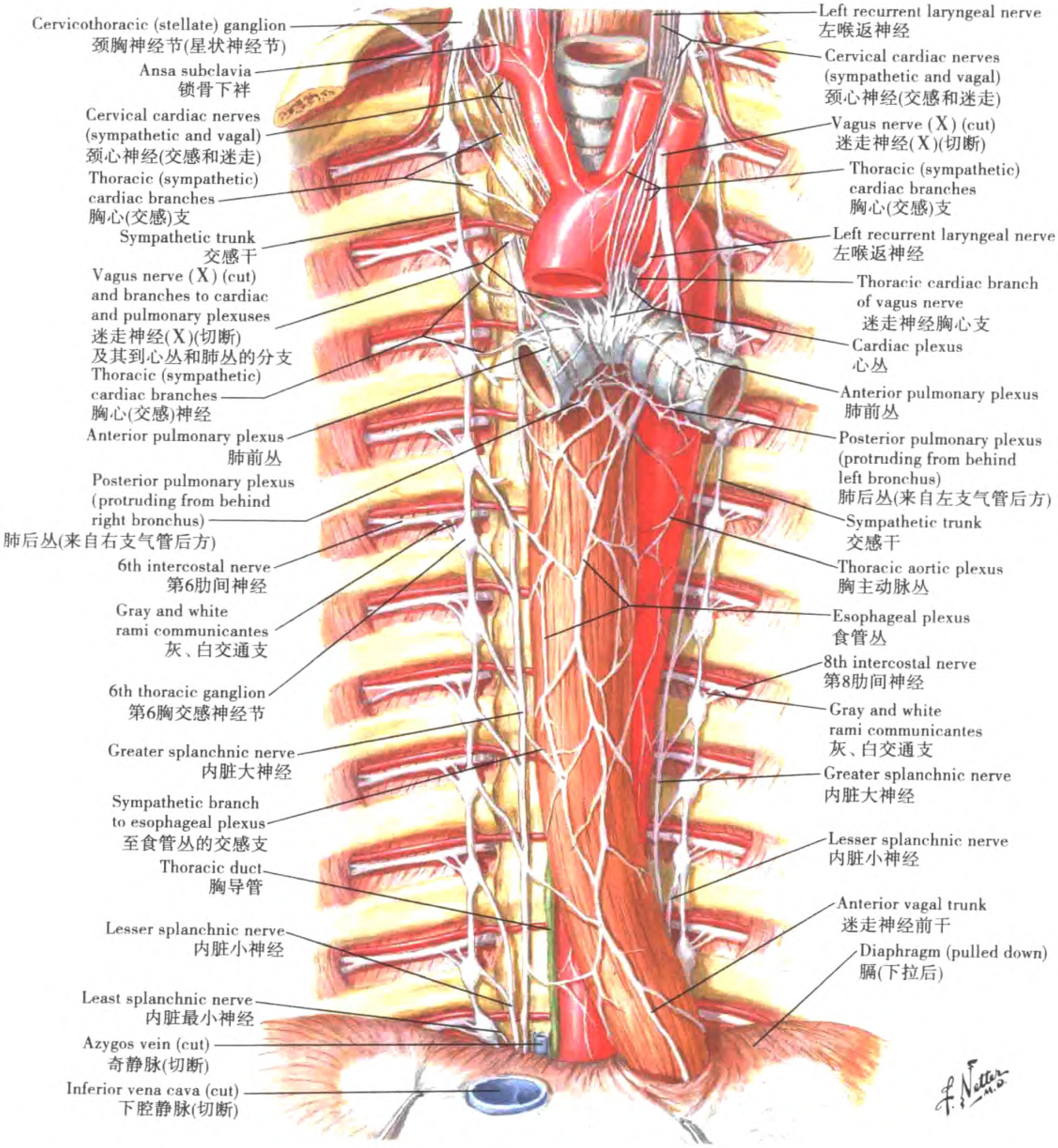
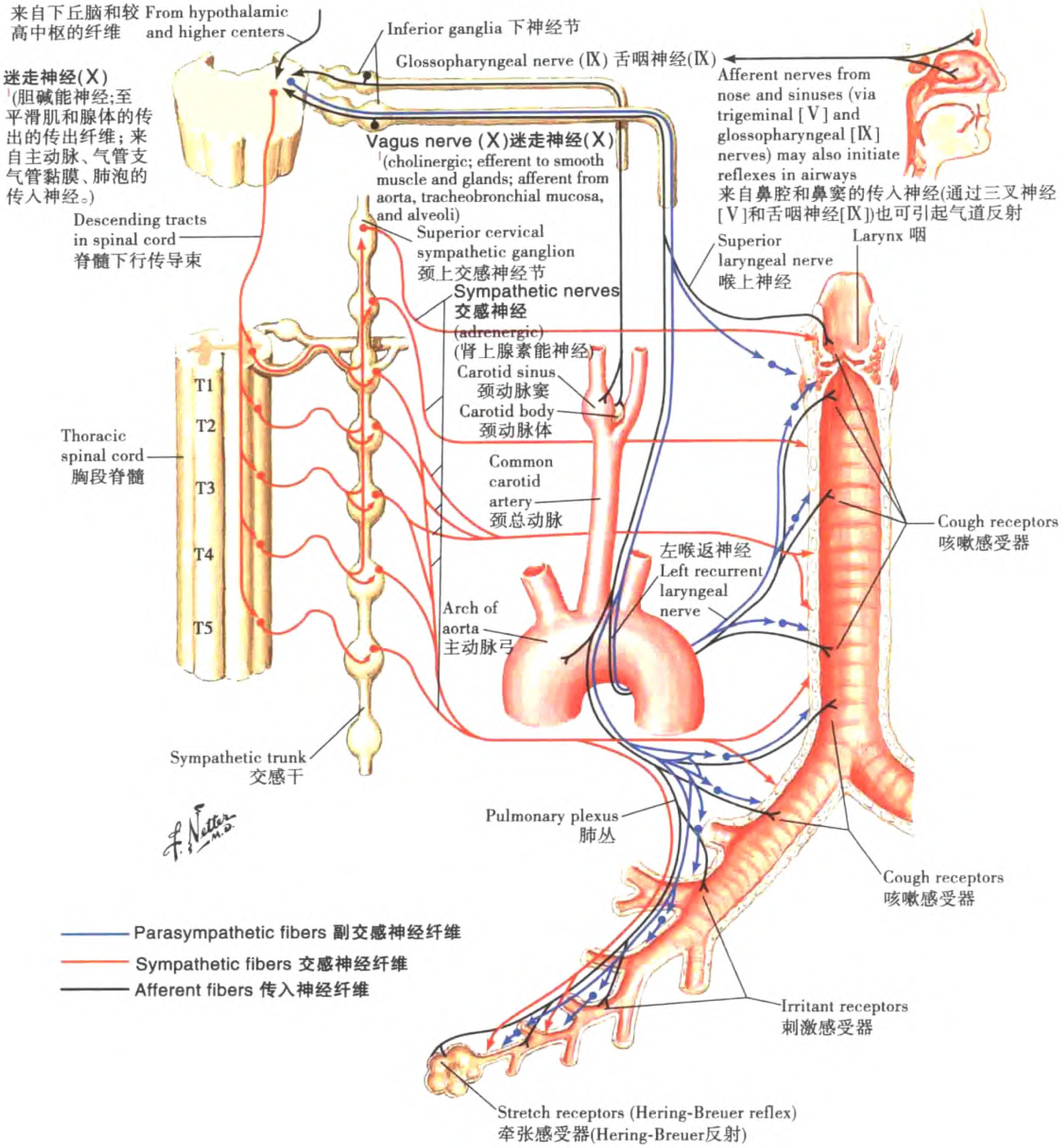
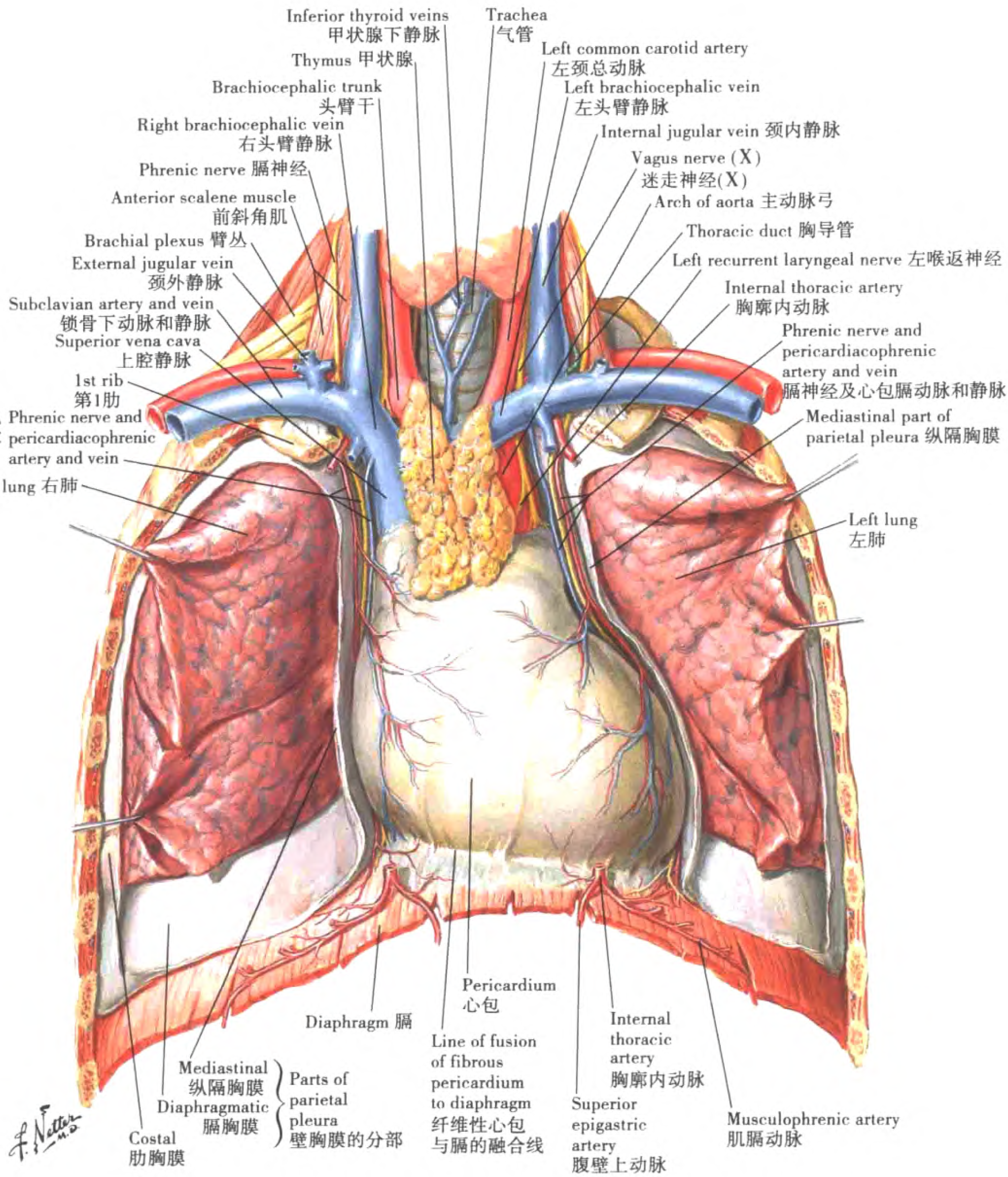
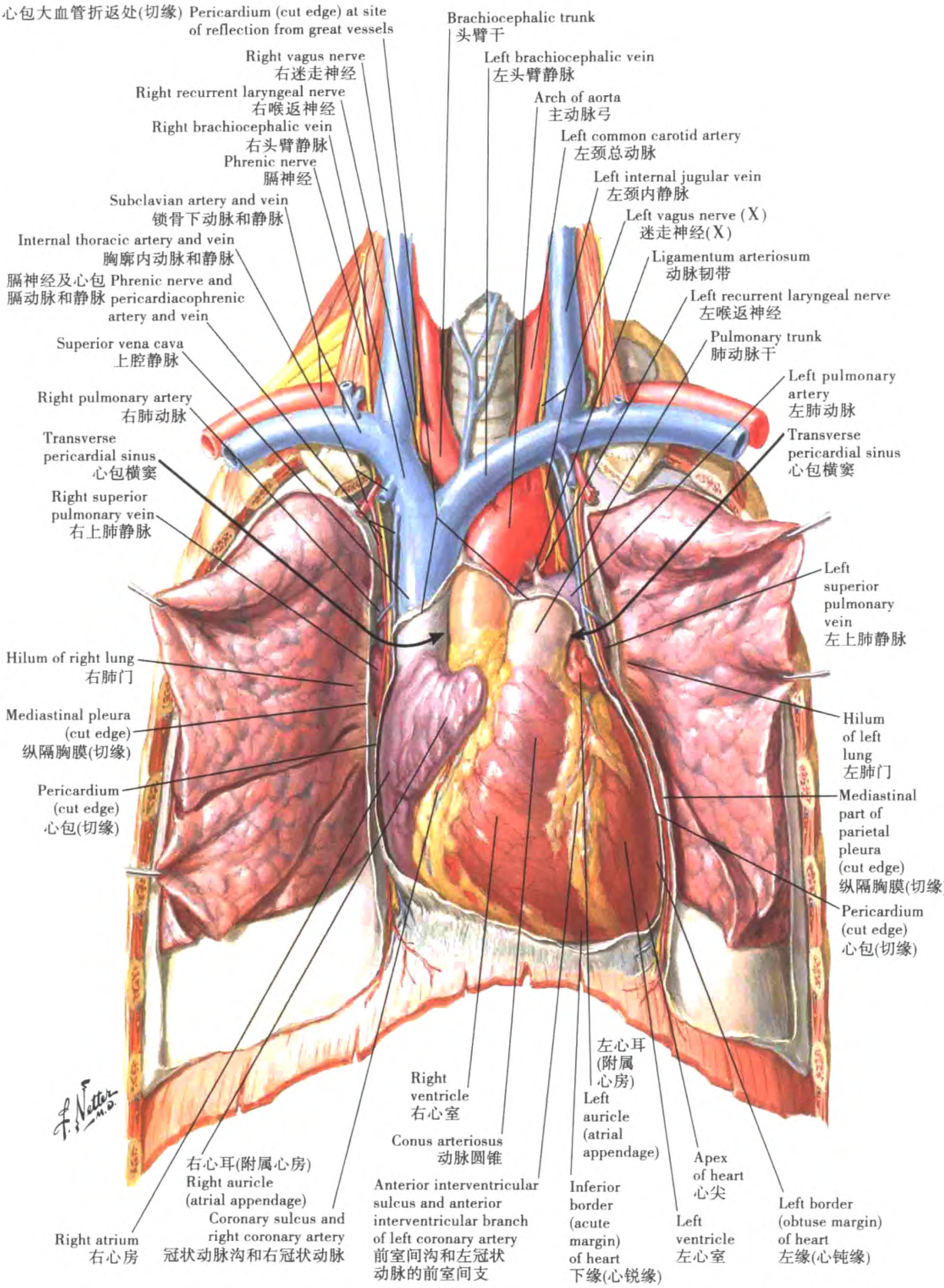

Cervicothoracic (stellate) ganglion
颈胸神经节(星状神经节)
Ansa subclavia
锁骨下袢
Cervical cardiac nerves (sympathetic and vagal)
颈心神经(交感和迷走)
Thoracic (sympathetic) cardiac branches
胸心(交感)支
Sympathetic trunk
交感干
Vagus nerve (X) (cut) and branches to cardiac and pulmonary plexuses
迷走神经(X)(切断)及其到心丛和肺丛的分支
Thoracic (sympathetic) cardiac branches
胸心(交感)神经
Anterior pulmonary plexus
肺前丛
Posterior pulmonary plexus (protruding from behind right bronchus)
肺后丛(来自右支气管后方)
6th intercostal nerve
第6肋间神经
Gray and white rami communicantes
灰、白交通支
6th thoracic ganglion
第6胸交感神经节
Greater splanchnic nerve
内脏大神经
Sympathetic branch to esophageal plexus
至食管丛的交感支
Thoracic duct
胸导管
Lesser splanchnic nerve
内脏小神经
Least splanchnic nerve
内脏最小神经
Azygos vein (cut)
奇静脉(切断)
Inferior vena cava (cut)
下腔静脉(切断)
Left recurrent laryngeal nerve
左喉返神经
Cervical cardiac nerves (sympathetic and vagal)
颈心神经(交感和迷走)
Vagus nerve (X) (cut)
迷走神经(X)(切断)
Thoracic (sympathetic) cardiac branches
胸心(交感)支
Left recurrent laryngeal nerve
左喉返神经
Thoracic cardiac branch of vagus nerve
迷走神经胸心支
Cardiac plexus
心丛
Anterior pulmonary plexus
肺前丛
Posterior pulmonary plexus (protruding from behind left bronchus)
肺后丛(来自左支气管后方)
Sympathetic trunk
交感干
Thoracic aortic plexus
胸主动脉丛
Esophageal plexus
食管丛
8th intercostal nerve
第8肋间神经
Gray and white rami communicantes
灰、白交通支
Greater splanchnic nerve
内脏大神经
Lesser splanchnic nerve
内脏小神经
Anterior vagal trunk
迷走神经前干
Diaphragm (pulled down)
膈(下拉后)
F. Netter M.D.

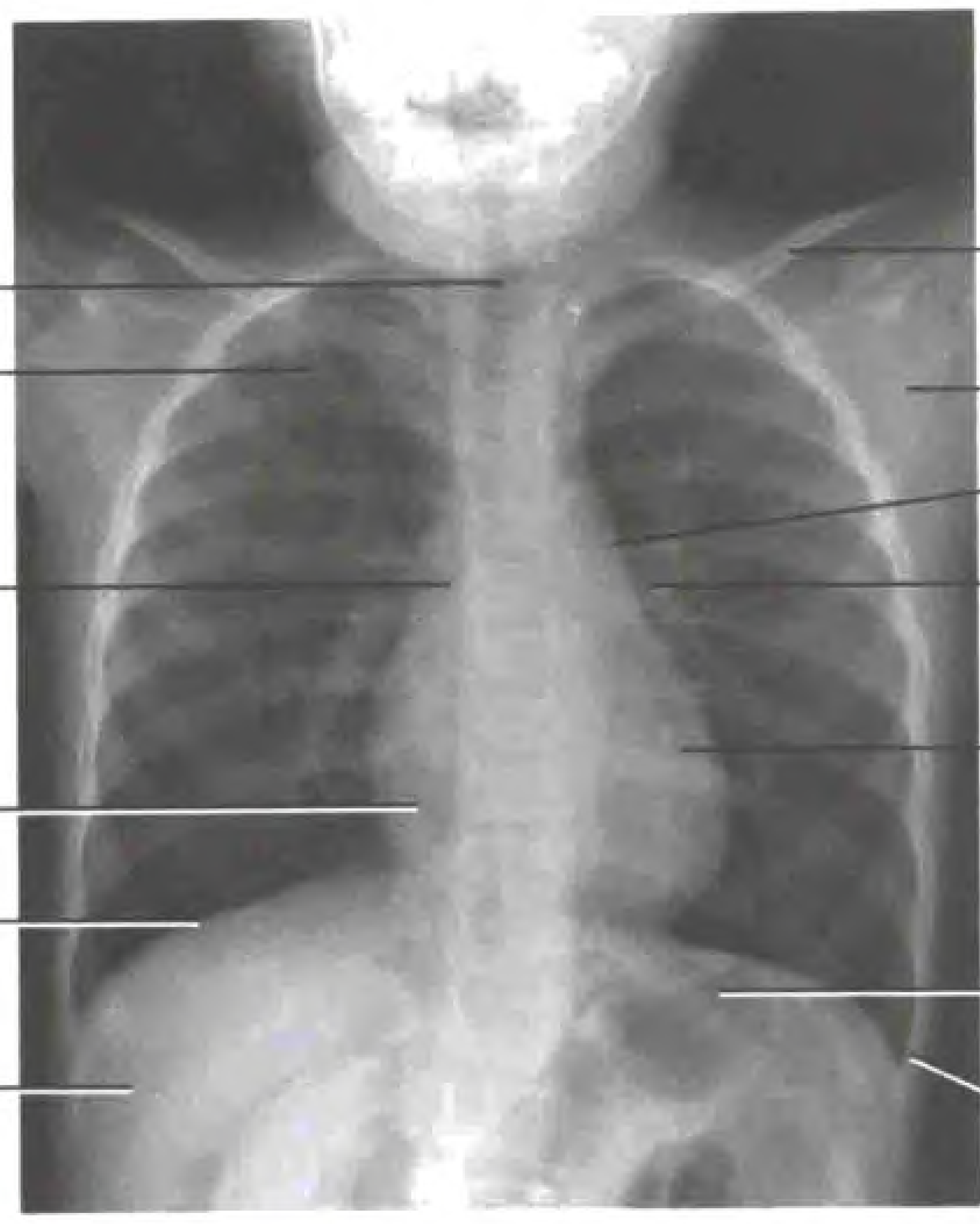
图 206 肺

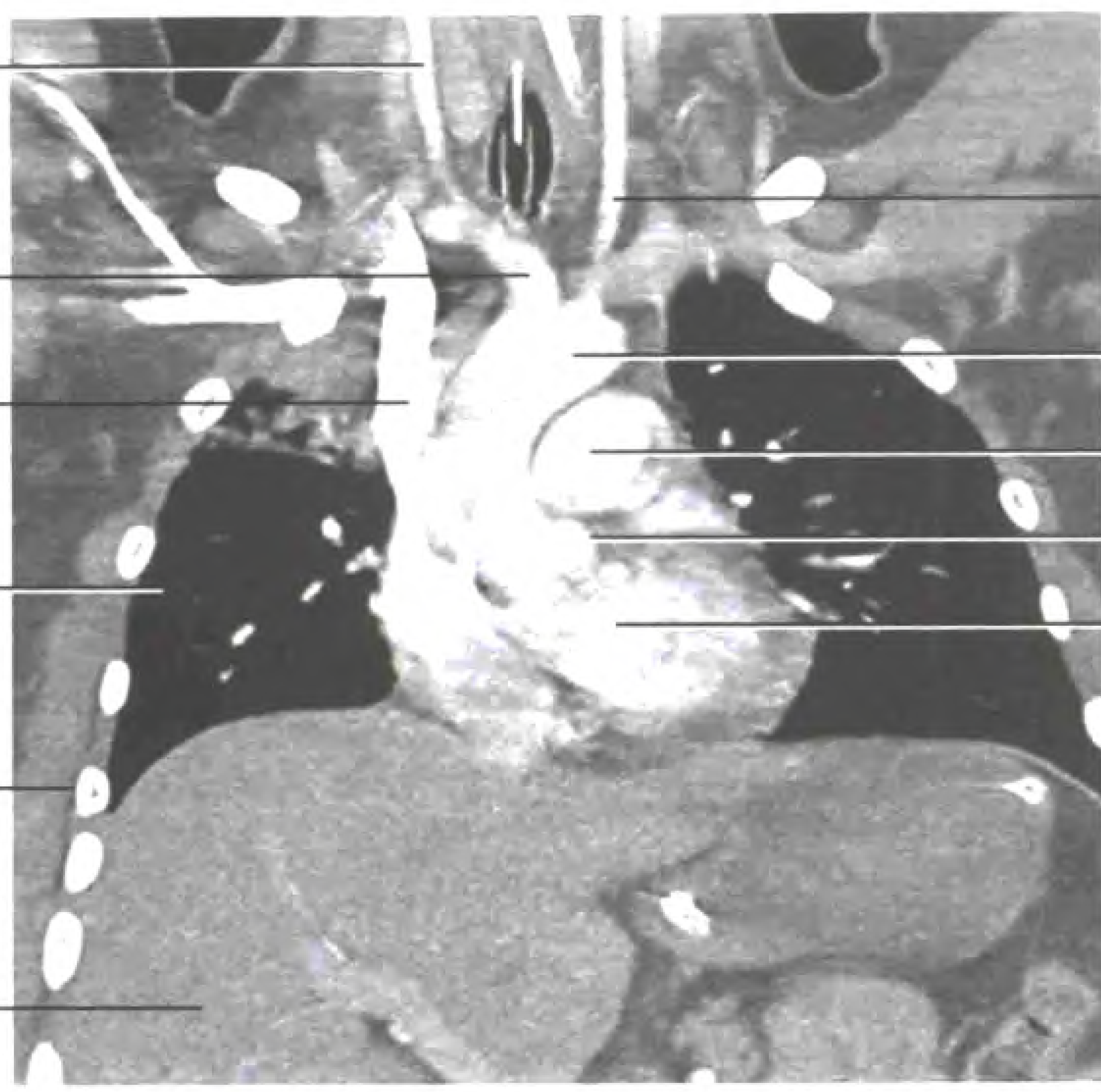

来自下丘脑和较高中枢的纤维 From hypothalamic and higher centers
Inferior ganglia 下神经节
Glossopharyngeal nerve (Ⅸ) 舌咽神经(Ⅸ)
迷走神经(Ⅹ)
(胆碱能神经;至平滑肌和腺体的传出的传出纤维；来自主动脉、气管支气管黏膜、肺泡的传入神经。)
Vagus nerve (Ⅹ)迷走神经(Ⅹ)
(cholinergic; efferent to smooth muscle and glands; afferent from aorta, tracheobronchial mucosa, and alveoli)
Afferent nerves from nose and sinuses (via trigeminal [Ⅴ] and glossopharyngeal [Ⅸ] nerves) may also initiate reflexes in airways
来自鼻腔和鼻窦的传入神经(通过三叉神经[Ⅴ]和舌咽神经[Ⅸ])也可引起气道反射
Descending tracts in spinal cord
脊髓下行传导束
Superior cervical sympathetic ganglion
颈上交感神经节
Superior laryngeal nerve
喉上神经
Larynx 咽
Sympathetic nerves
交感神经
(adrenergic)
(肾上腺素能神经)
Carotid sinus
颈动脉窦
Carotid body
颈动脉体
T1
T2
T3
T4
T5
Thoracic spinal cord
胸段脊髓
Common carotid artery
颈总动脉
Cough receptors
咳嗽感受器
左喉返神经
Left recurrent laryngeal nerve
Arch of aorta
主动脉弓
Sympathetic trunk
交感干
Pulmonary plexus
肺丛
Cough receptors
咳嗽感受器
Parasympathetic fibers 副交感神经纤维
Sympathetic fibers 交感神经纤维
Afferent fibers 传入神经纤维
Irritant receptors
刺激感受器
Stretch receptors (Hering-Breuer reflex)
牵张感受器(Hering-Breuer反射)



Inferior thyroid veins
甲状腺下静脉
Trachea
气管
Left common carotid artery
左颈总动脉
Thymus 甲状腺
Brachiocephalic trunk
头臂干
Left brachiocephalic vein
左头臂静脉
Right brachiocephalic vein
右头臂静脉
Internal jugular vein 颈内静脉
Phrenic nerve 膈神经
Vagus nerve (X)
迷走神经(X)
Anterior scalene muscle
前斜角肌
Arch of aorta 主动脉弓
Brachial plexus 臂丛
Thoracic duct 胸导管
External jugular vein
颈外静脉
Left recurrent laryngeal nerve 左喉返神经
Internal thoracic artery
胸廓内动脉
Subclavian artery and vein
锁骨下动脉和静脉
Phrenic nerve and
pericardiacophrenic
artery and vein
膈神经及心包膈动脉和静脉
Superior vena cava
上腔静脉
1st rib
第1肋
膈神经及心包膈动脉和静脉
Phrenic nerve and
pericardiacophrenic
artery and vein
Mediastinal part of
parietal pleura 纵隔胸膜
Right lung 右肺
Left lung
左肺
Pericardium
心包
Diaphragm 膈
Internal
thoracic
artery
胸廓内动脉
Line of fusion
of fibrous
pericardium
to diaphragm
纤维性心包
与膈的融合线
Mediastinal
纵隔胸膜
Diaphragmatic
膈胸膜
Costal
肋胸膜
Parts of
parietal
pleura
壁胸膜的分部
Superior
epigastric
artery
腹壁上动脉
Musculophrenic artery
肌膈动脉
F. Netter M.D.


心包大血管折返处(切缘) Pericardium (cut edge) at site of reflection from great vessels
Brachiocephalic trunk 头臂干
Right vagus nerve 右迷走神经
Left brachiocephalic vein 左头臂静脉
Right recurrent laryngeal nerve 右喉返神经
Arch of aorta 主动脉弓
Right brachiocephalic vein 右头臂静脉
Left common carotid artery 左颈总动脉
Phrenic nerve 膈神经
Left internal jugular vein 左颈内静脉
Subclavian artery and vein 锁骨下动脉和静脉
Left vagus nerve (X) 迷走神经(X)
Internal thoracic artery and vein 胸廓内动脉和静脉
Ligamentum arteriosum 动脉韧带
膈神经及心包膈动脉和静脉 Phrenic nerve and pericardiacophrenic artery and vein
Left recurrent laryngeal nerve 左喉返神经
Superior vena cava 上腔静脉
Pulmonary trunk 肺动脉干
Left pulmonary artery 左肺动脉
Right pulmonary artery 右肺动脉
Transverse pericardial sinus 心包横窦
Transverse pericardial sinus 心包横窦
Right superior pulmonary vein 右上肺静脉
Left superior pulmonary vein 左上肺静脉
Hilum of right lung 右肺门
Hilum of left lung 左肺门
Mediastinal pleura (cut edge) 纵隔胸膜(切缘)
Mediastinal part of parietal pleura (cut edge) 纵隔胸膜(切缘)
Pericardium (cut edge) 心包(切缘)
Pericardium (cut edge) 心包(切缘)
左心耳(附属心房) Left auricle (atrial appendage)
Right ventricle 右心室
Conus arteriosus 动脉圆锥
右心耳(附属心房) Right auricle (atrial appendage)
Apex of heart 心尖
Anterior interventricular sulcus and anterior interventricular branch of left coronary artery 前室间沟和左冠状动脉的前室间支
Inferior border (acute margin) of heart 下缘(心锐缘)
Left ventricle 左心室
Left border (obtuse margin) of heart 左缘(心钝缘)
Coronary sulcus and right coronary artery 冠状动脉沟和右冠状动脉
Right atrium 右心房





Precordial areas of auscultation 心前区听诊

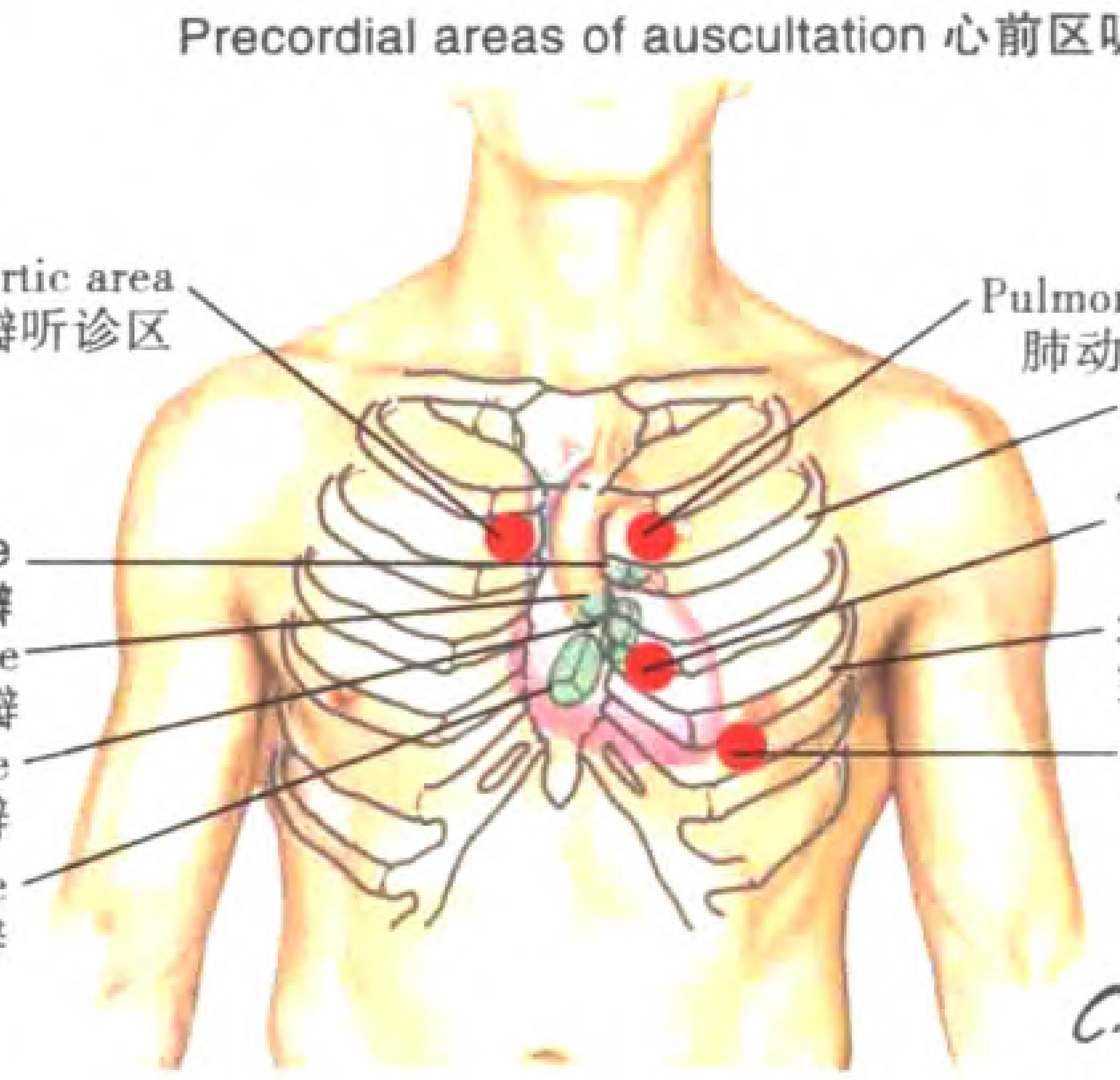
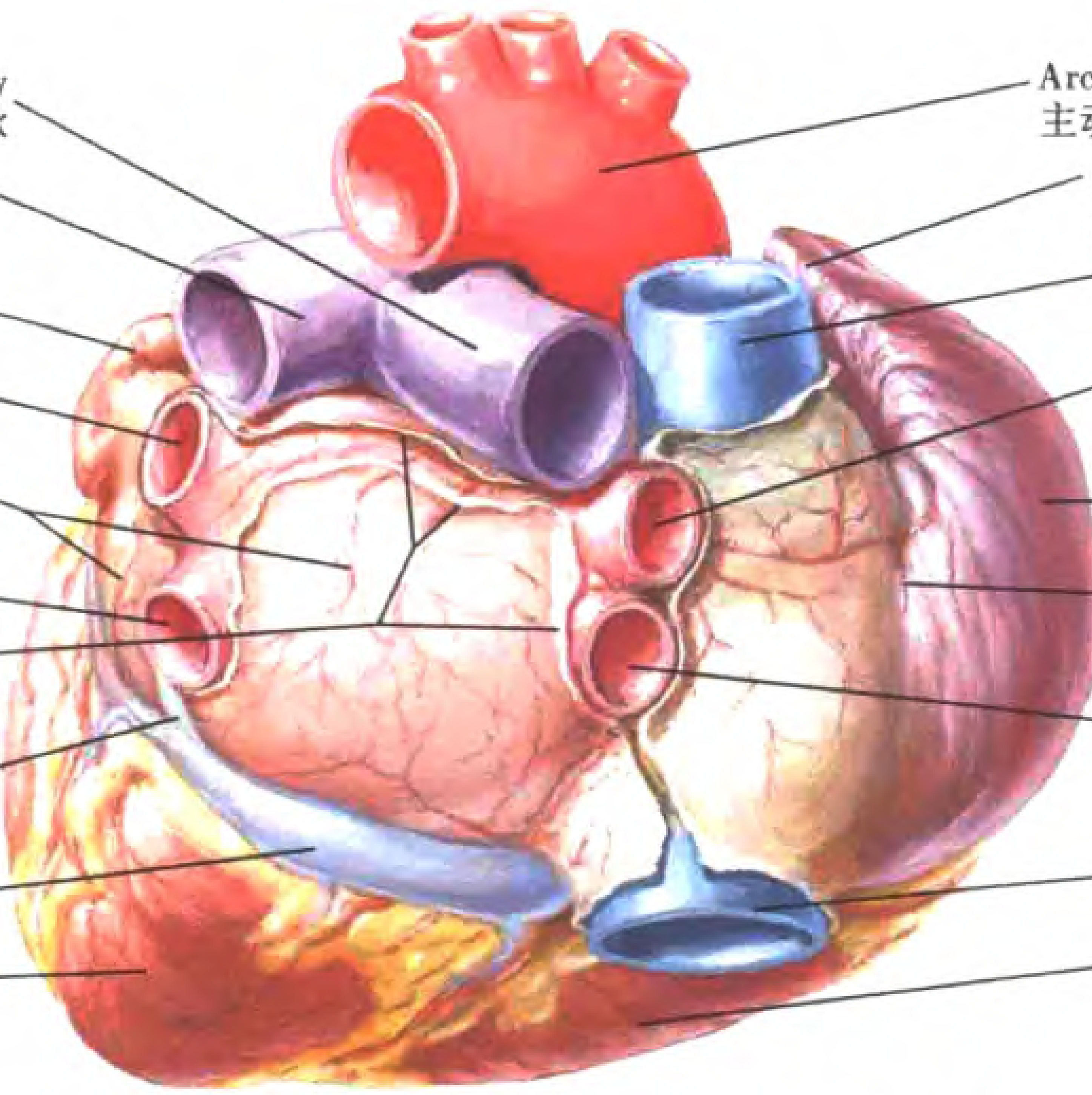
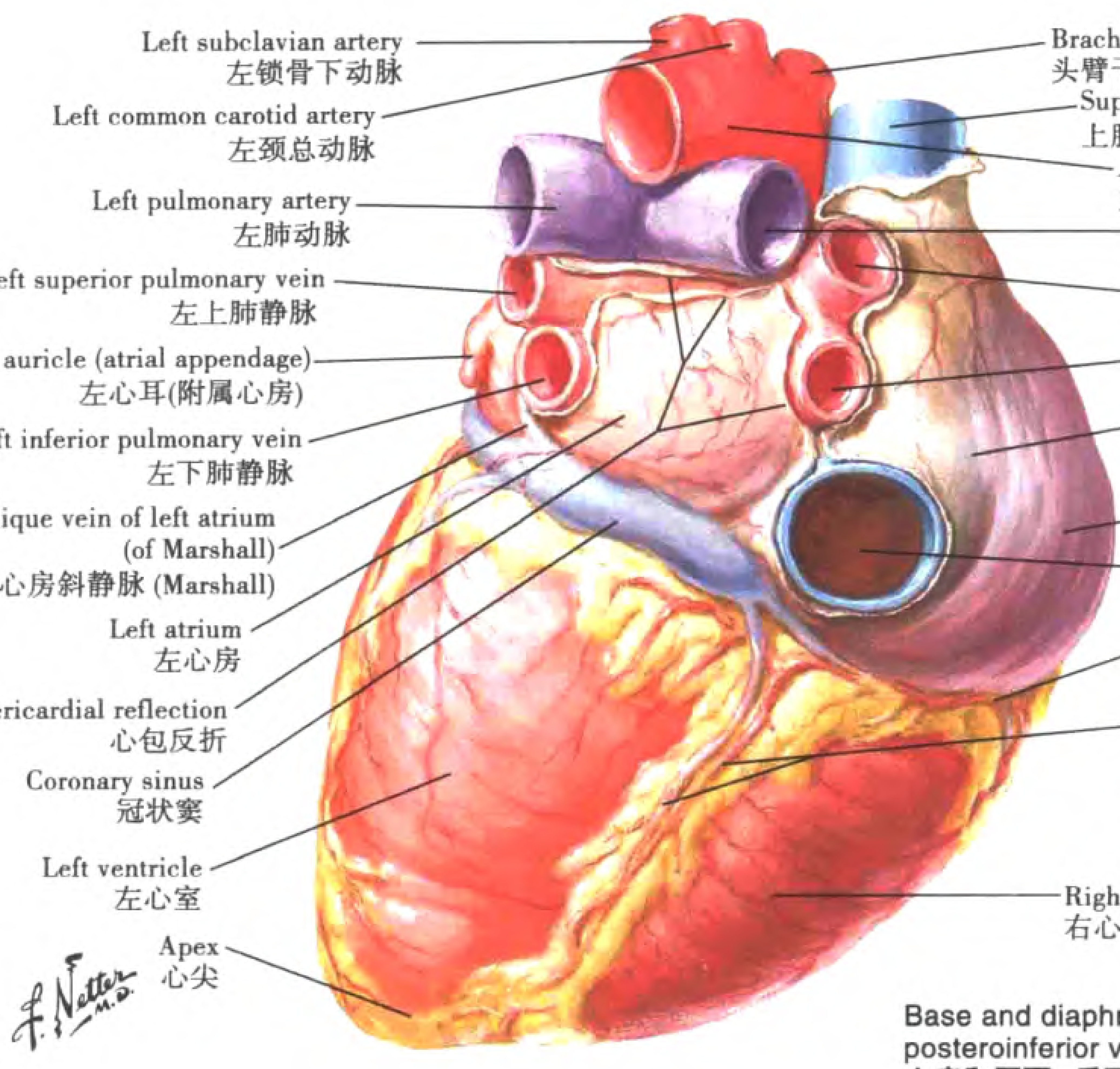


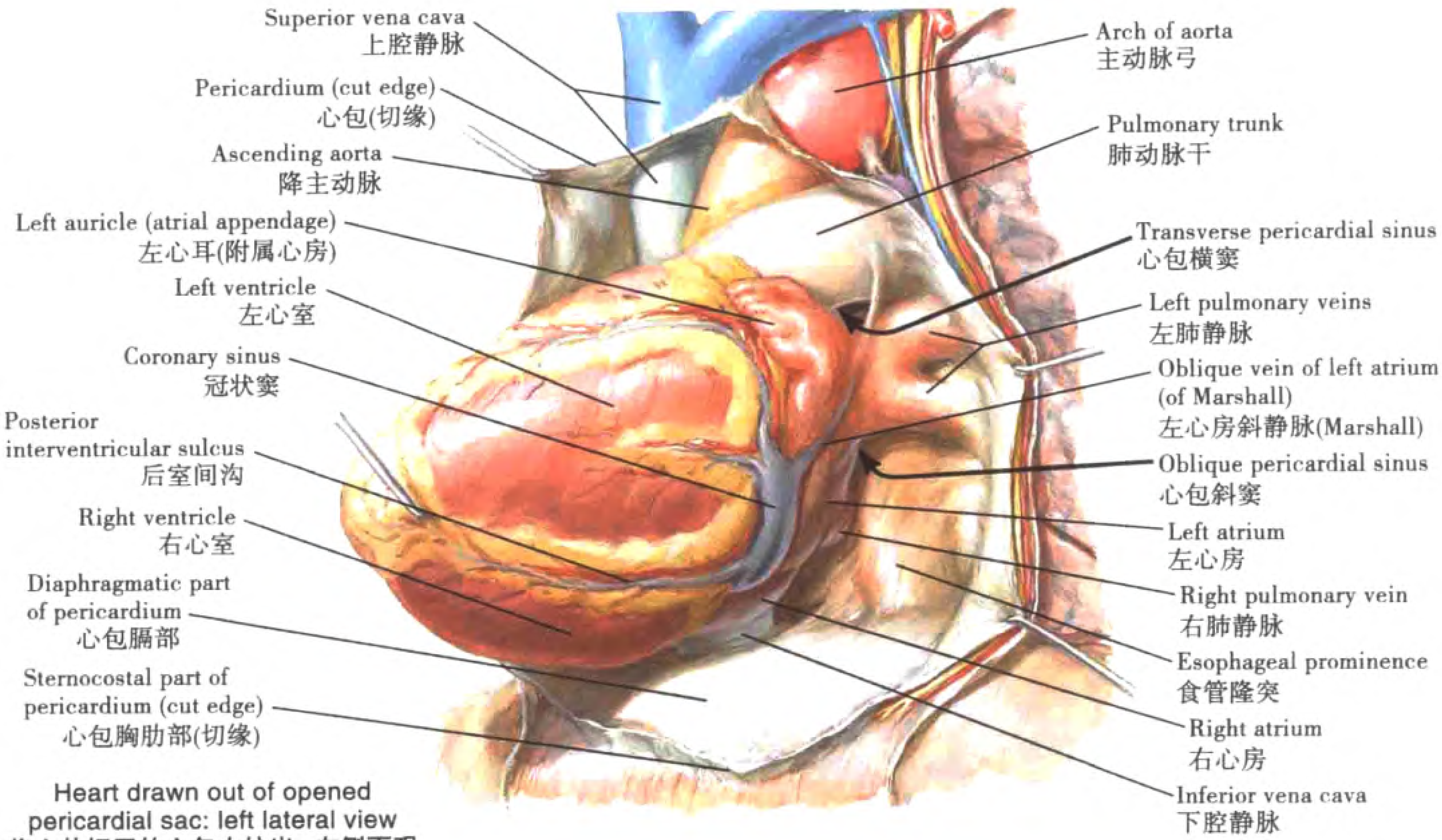
图 210 心



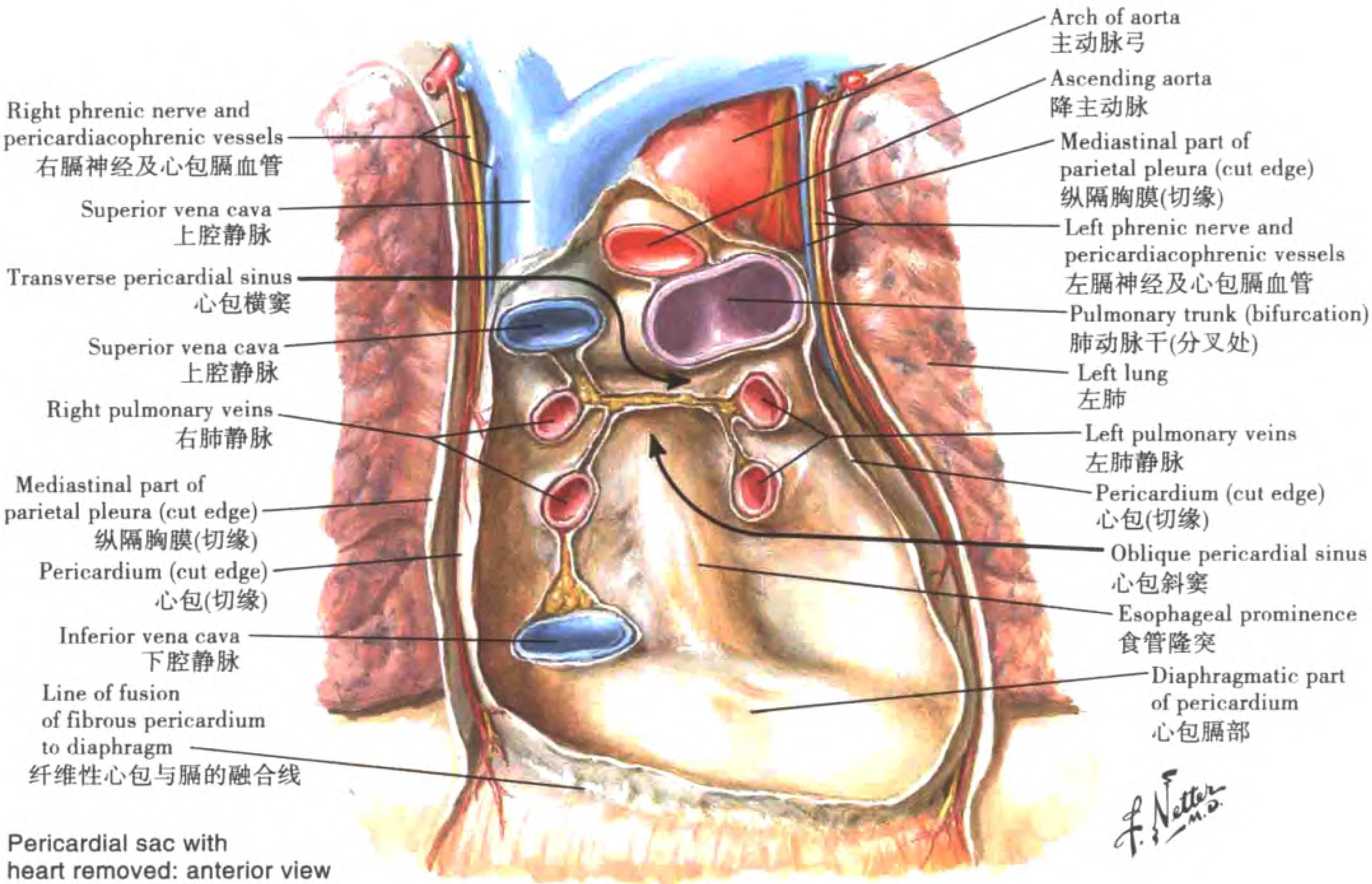
Base of heart: posterior view心底：后面观



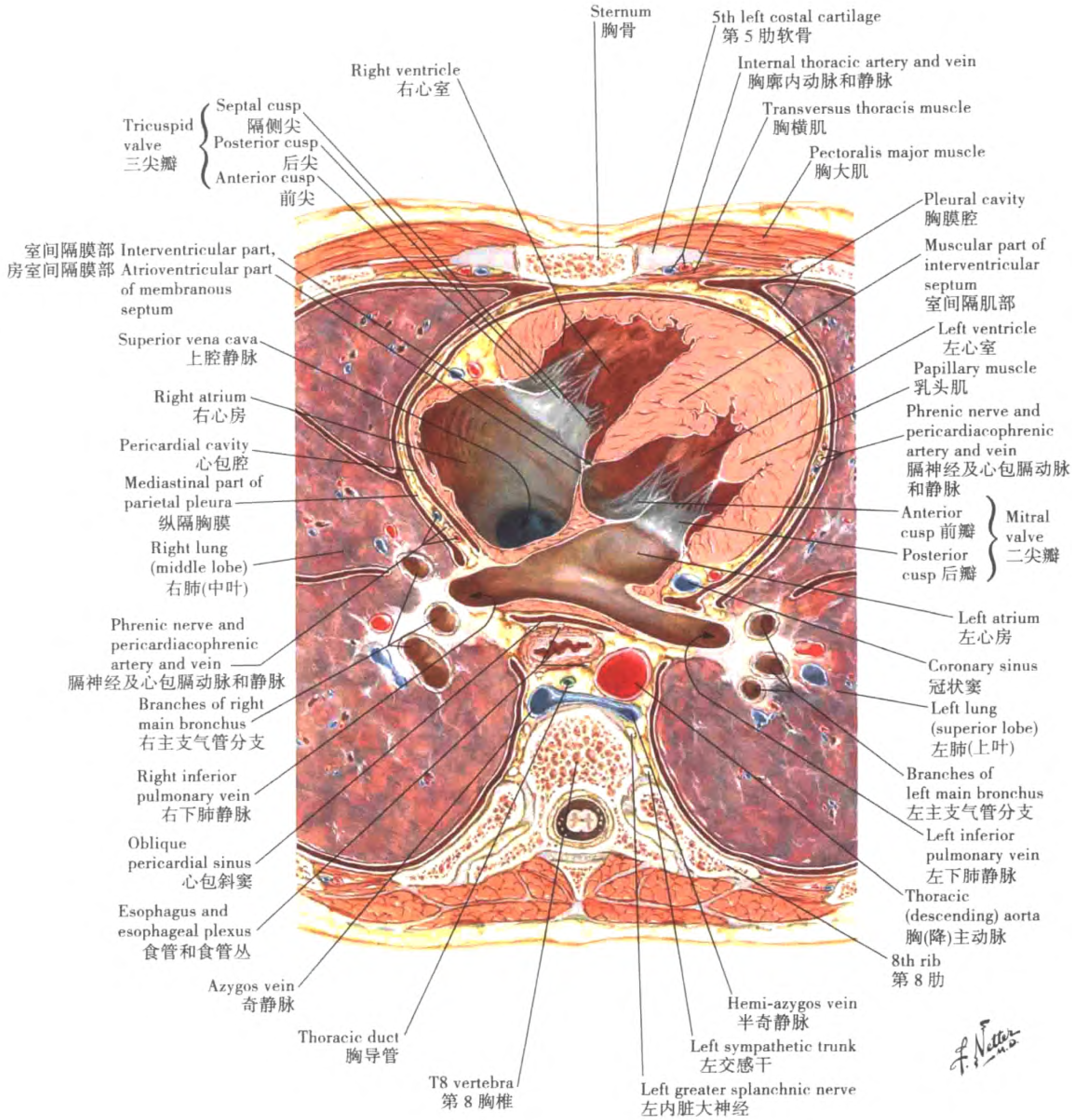
Base and diaphragmatic surface: posteroinferior view
心底和膈面：后下面观

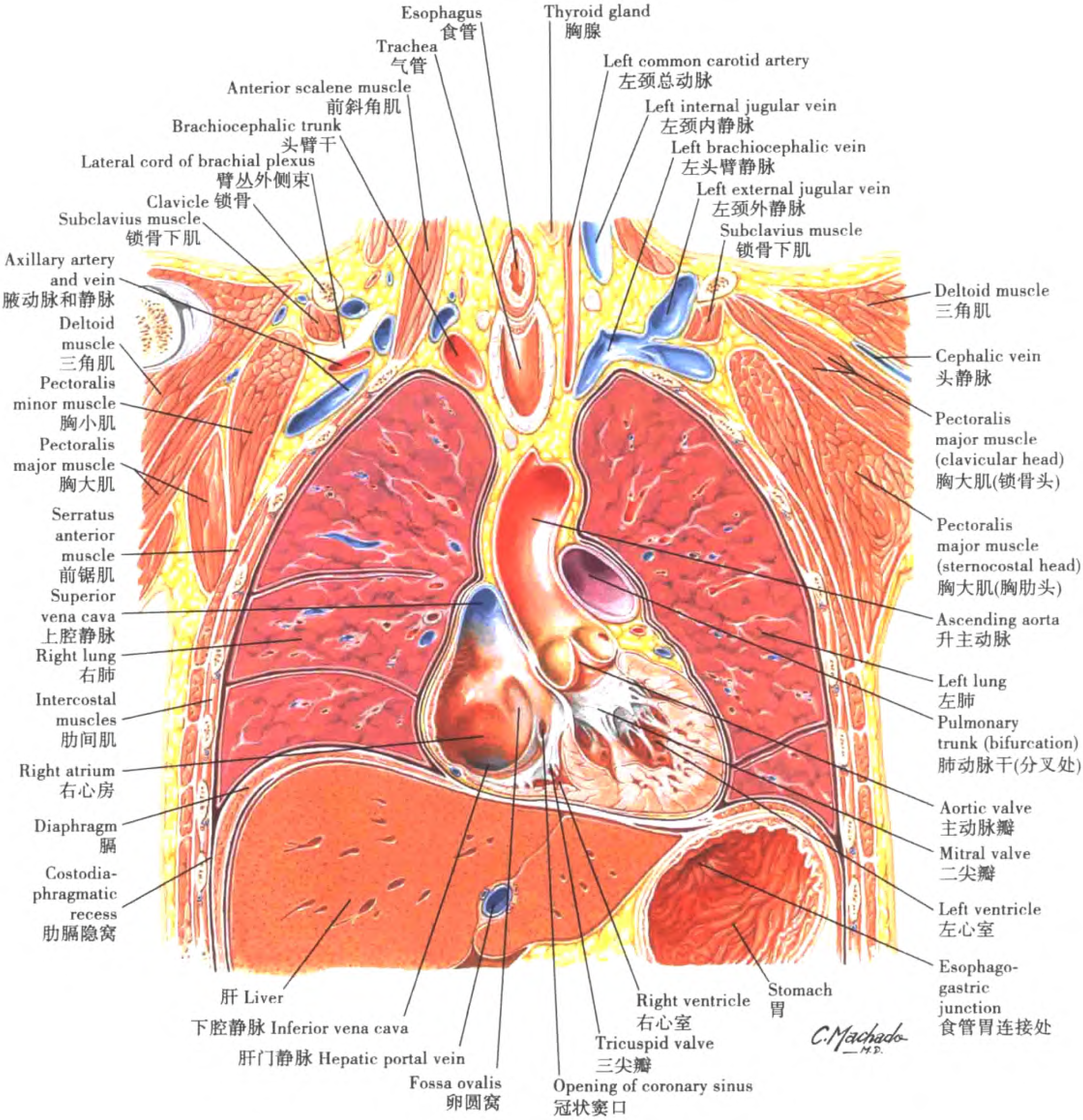


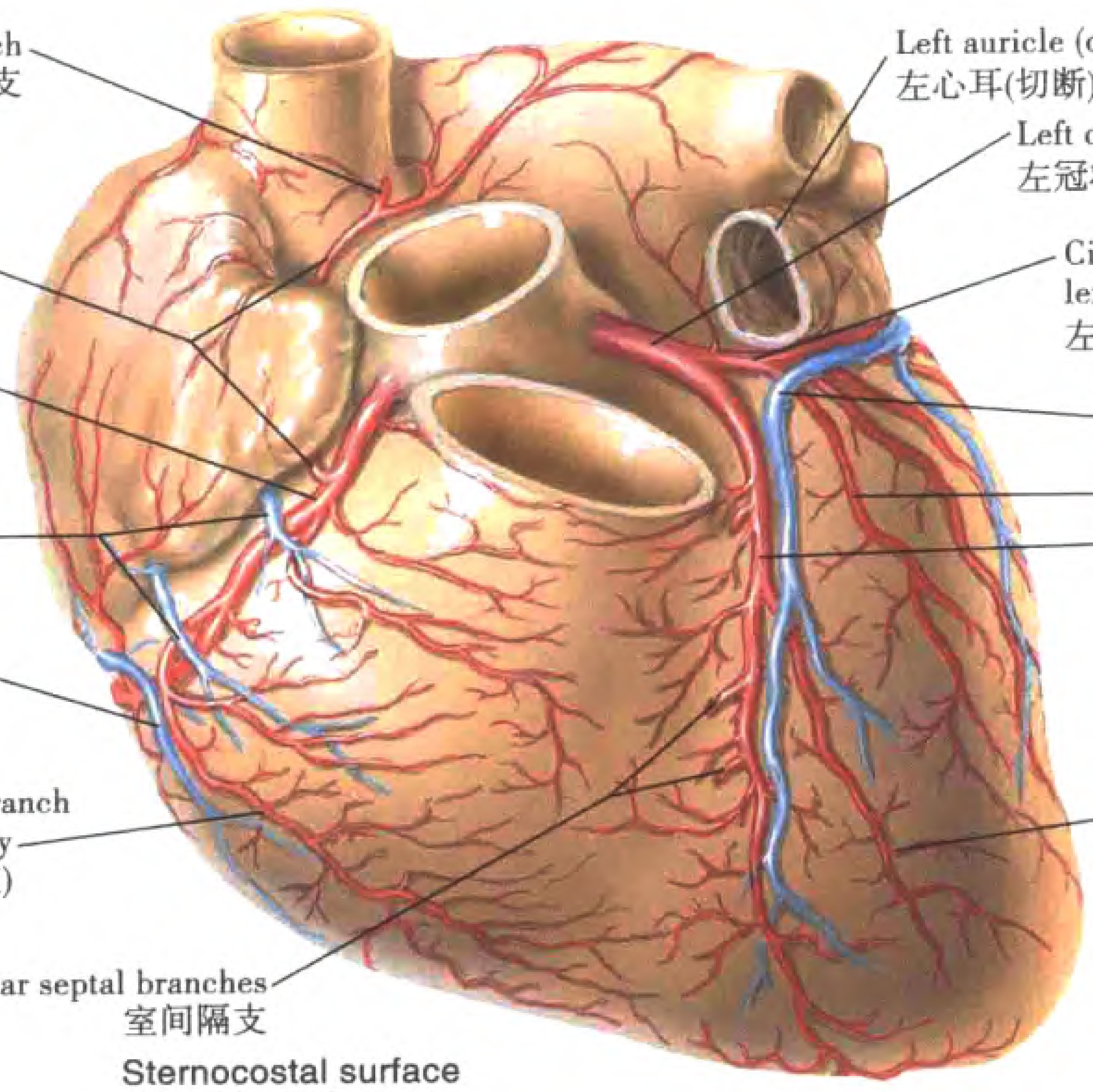
Heart drawn out of opened pericardial sac: left lateral view
将心从切开的心包中拉出：左侧面观



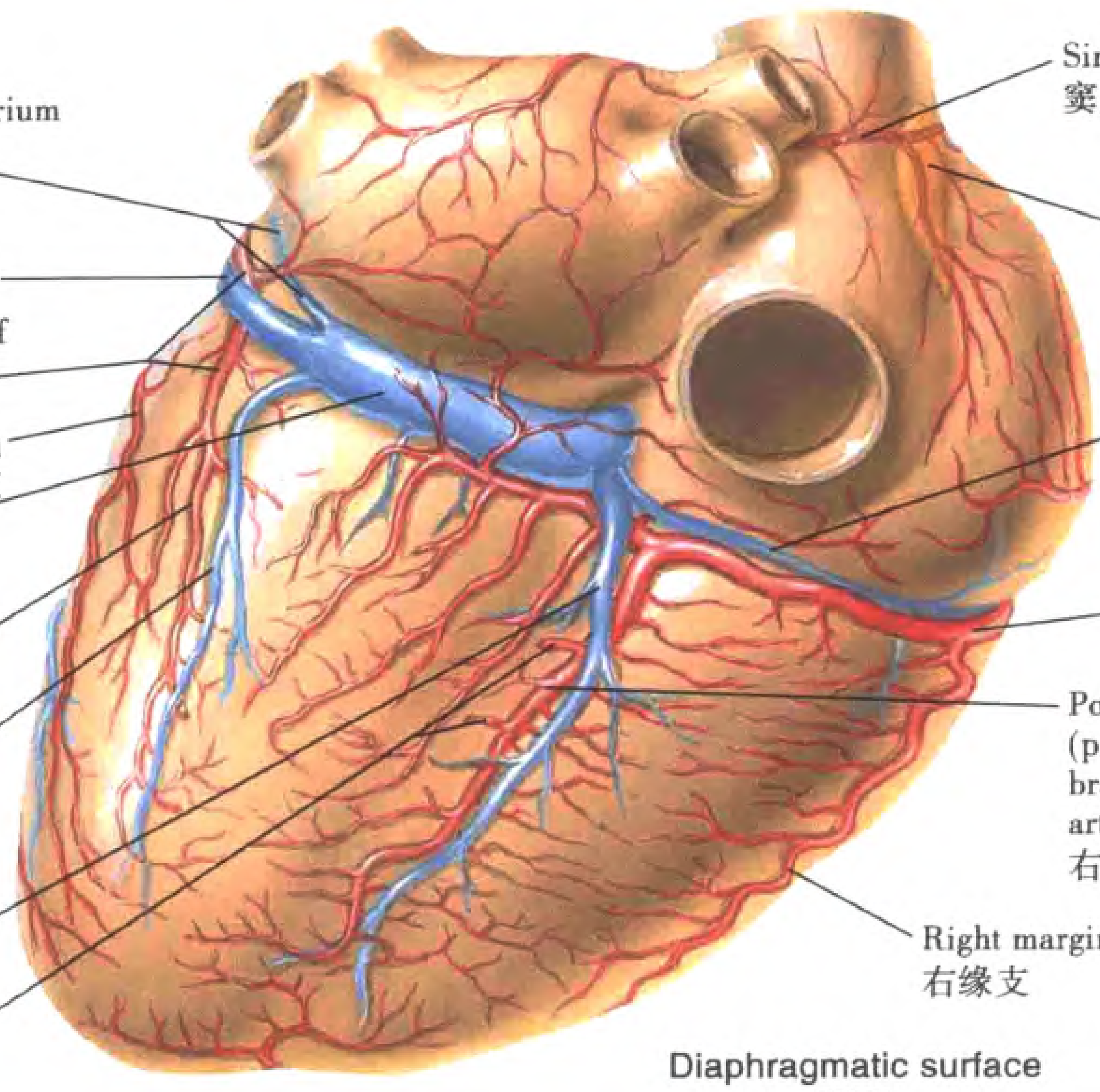
Pericardial sac with heart removed: anterior view
去除心的心包：前面观


Sternum
胸骨
5th left costal cartilage
第5肋软骨
Internal thoracic artery and vein
胸廓内动脉和静脉
Transversus thoracis muscle
胸横肌
Pectoralis major muscle
胸大肌
Right ventricle
右心室
Tricuspid valve
三尖瓣
Septal cusp
隔侧尖
Posterior cusp
后尖
Anterior cusp
前尖
Pleural cavity
胸膜腔
室间隔膜部 Interventricular part,
房室间隔膜部 Atrioventricular part
of membranous septum
Muscular part of interventricular septum
室间隔肌部
Left ventricle
左心室
Superior vena cava
上腔静脉
Papillary muscle
乳头肌
Right atrium
右心房
Phrenic nerve and pericardiacophrenic artery and vein
膈神经及心包膈动脉和静脉
Pericardial cavity
心包腔
Mediastinal part of parietal pleura
纵隔胸膜
Mitral valve
二尖瓣
Anterior cusp 前瓣
Posterior cusp 后瓣
Right lung (middle lobe)
右肺(中叶)
Left atrium
左心房
Phrenic nerve and pericardiacophrenic artery and vein
膈神经及心包膈动脉和静脉
Coronary sinus
冠状窦
Left lung (superior lobe)
左肺(上叶)
Branches of right main bronchus
右主支气管分支
Branches of left main bronchus
左主支气管分支
Right inferior pulmonary vein
右下肺静脉
Left inferior pulmonary vein
左下肺静脉
Oblique pericardial sinus
心包斜窦
Thoracic (descending) aorta
胸(降)主动脉
Esophagus and esophageal plexus
食管和食管丛
8th rib
第8肋
Azygos vein
奇静脉
Hemi-azygos vein
半奇静脉
Thoracic duct
胸导管
Left sympathetic trunk
左交感干
T8 vertebra
第8胸椎
Left greater splanchnic nerve
左内脏大神经


Esophagus
食管
Thyroid gland
胸腺
Trachea
气管
Left common carotid artery
左颈总动脉
Anterior scalene muscle
前斜角肌
Left internal jugular vein
左颈内静脉
Brachiocephalic trunk
头臂干
Left brachiocephalic vein
左头臂静脉
Lateral cord of brachial plexus
臂丛外侧束
Left external jugular vein
左颈外静脉
Clavicle 锁骨
Subclavius muscle
锁骨下肌
Subclavius muscle
锁骨下肌
Axillary artery
and vein
腋动脉和静脉
Deltoid muscle
三角肌
Deltoid
muscle
三角肌
Cephalic vein
头静脉
Pectoralis
minor muscle
胸小肌
Pectoralis
major muscle
(clavicular head)
胸大肌(锁骨头)
Pectoralis
major muscle
胸大肌
Serratus
anterior
muscle
前锯肌
Pectoralis
major muscle
(sternocostal head)
胸大肌(胸肋头)
Superior
vena cava
上腔静脉
Ascending aorta
升主动脉
Right lung
右肺
Left lung
左肺
Intercostal
muscles
肋间肌
Pulmonary
trunk (bifurcation)
肺动脉干(分叉处)
Right atrium
右心房
Aortic valve
主动脉瓣
Diaphragm
膈
Mitral valve
二尖瓣
Costodia-
phragmatic
recess
肋膈隐窝
Left ventricle
左心室
Esophago-
gastric
junction
食管胃连接处
肝 Liver
Stomach
胃
Right ventricle
右心室
下腔静脉 Inferior vena cava
Tricuspid valve
三尖瓣
肝门静脉 Hepatic portal vein
Fossa ovalis
卵圆窝
Opening of coronary sinus
冠状窦口
C. Machado
M.D.



Sternocostal surface
胸肋面



Diaphragmatic surface
膈面

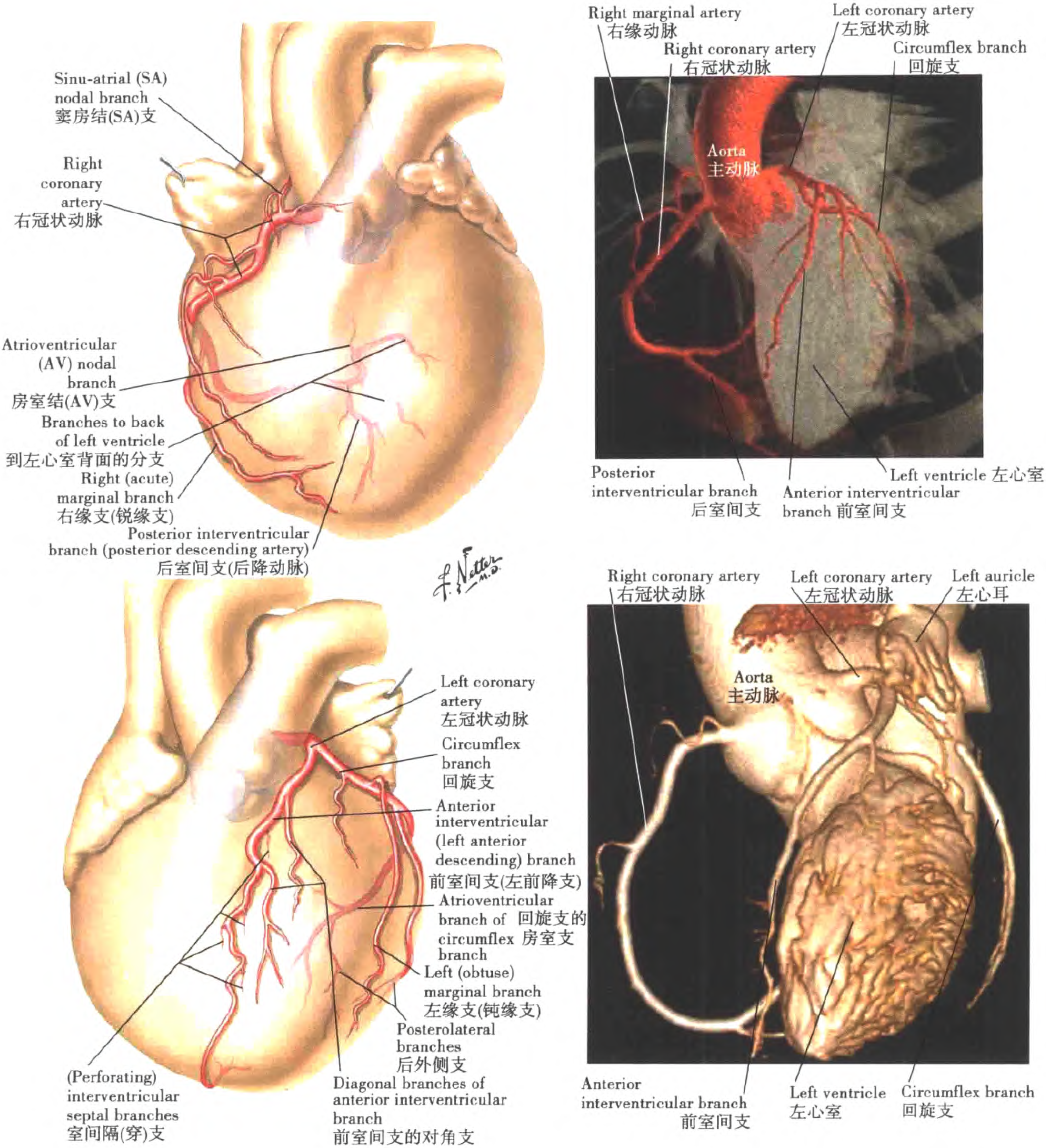
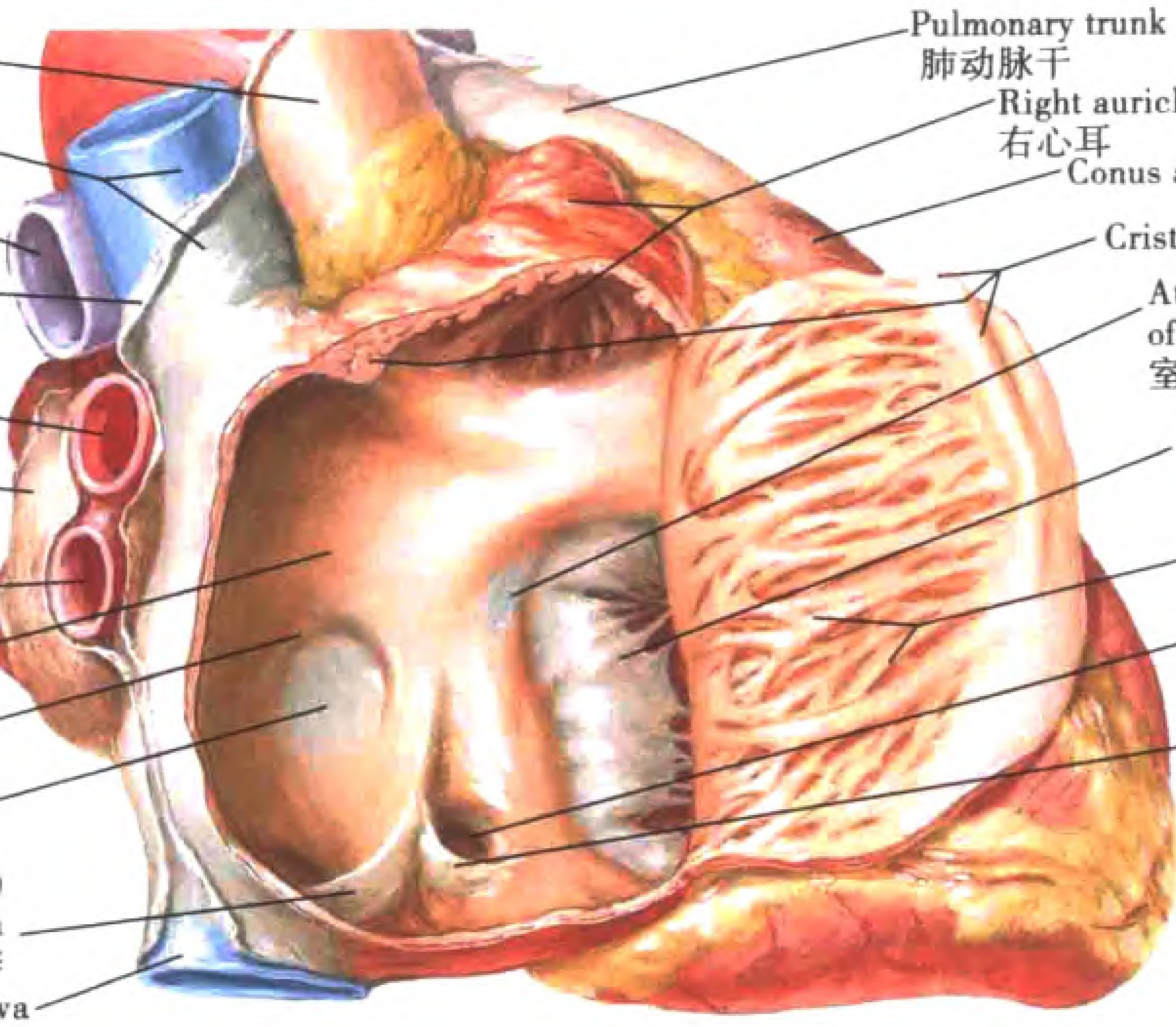
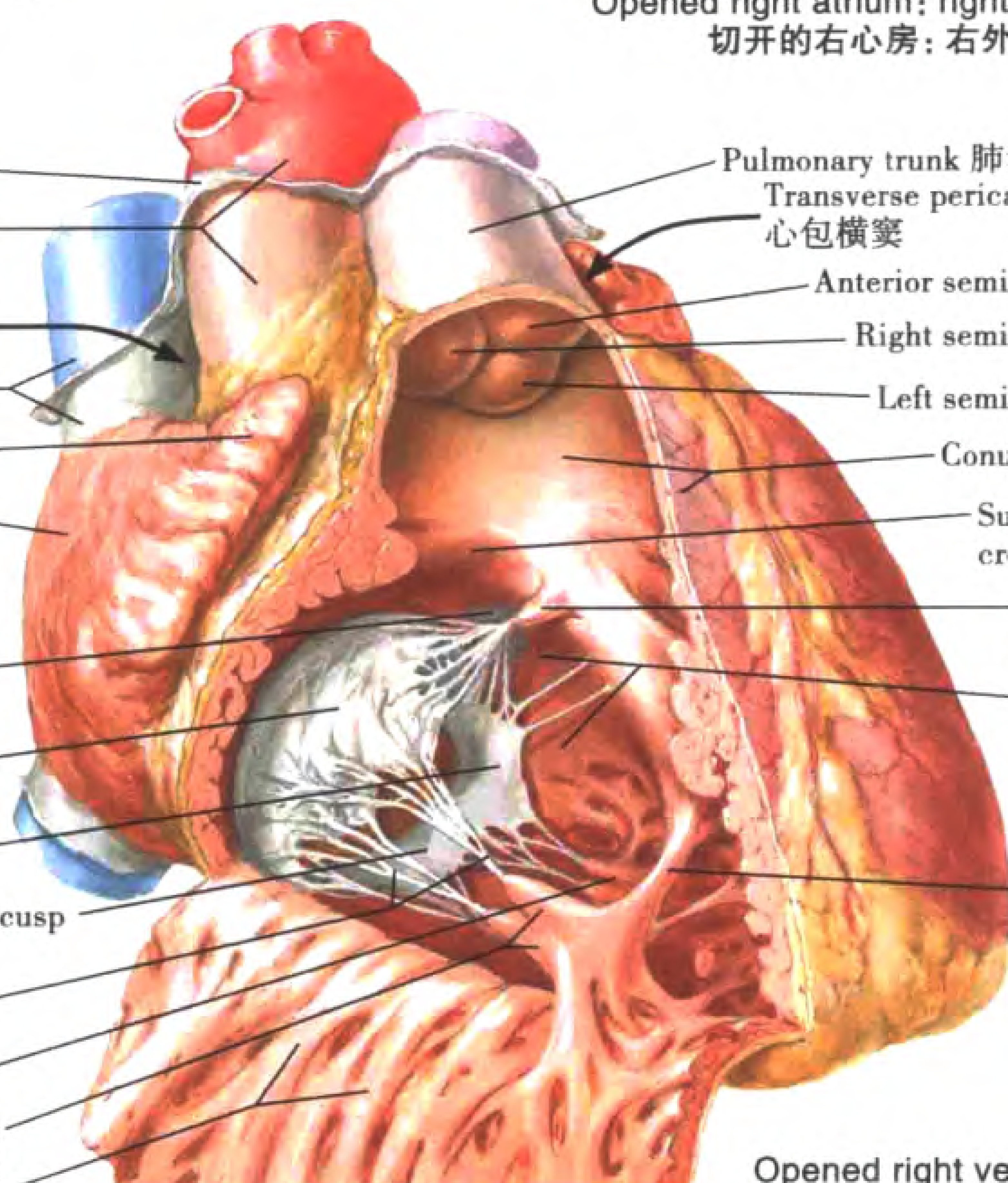

Sinu-atrial (SA) nodal branch
窦房结(SA)支
Right coronary artery
右冠状动脉
Atrioventricular (AV) nodal branch
房室结(AV)支
Branches to back of left ventricle
到左心室背面的分支
Right (acute) marginal branch
右缘支(锐缘支)
Posterior interventricular branch (posterior descending artery)
后室间支(后降动脉)
Right marginal artery
右缘动脉
Right coronary artery
右冠状动脉
Left coronary artery
左冠状动脉
Circumflex branch
回旋支
Aorta
主动脉
Posterior interventricular branch
后室间支
Anterior interventricular branch 前室间支
Left ventricle 左心室
Left coronary artery
左冠状动脉
Circumflex branch
回旋支
Anterior interventricular (left anterior descending) branch
前室间支(左前降支)
Atrioventricular branch of circumflex branch
回旋支的房室支
Left (obtuse) marginal branch
左缘支(钝缘支)
Posterolateral branches
后外侧支
Diagonal branches of anterior interventricular branch
前室间支的对角支
(Perforating) interventricular septal branches
室间隔(穿)支
Right coronary artery
右冠状动脉
Left coronary artery
左冠状动脉
Left auricle
左心耳
Aorta
主动脉
Anterior interventricular branch
前室间支
Left ventricle
左心室
Circumflex branch
回旋支

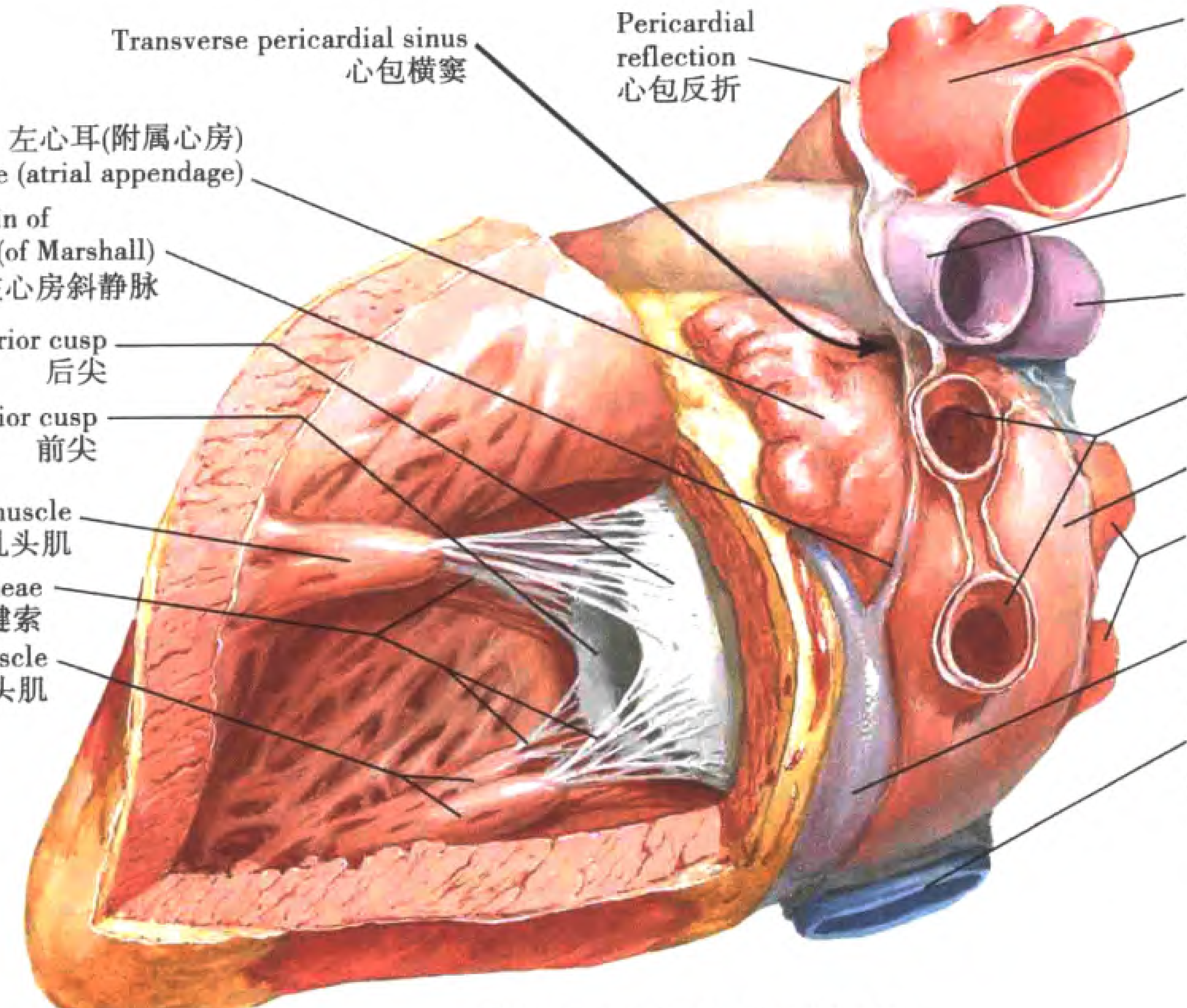
图 216 心



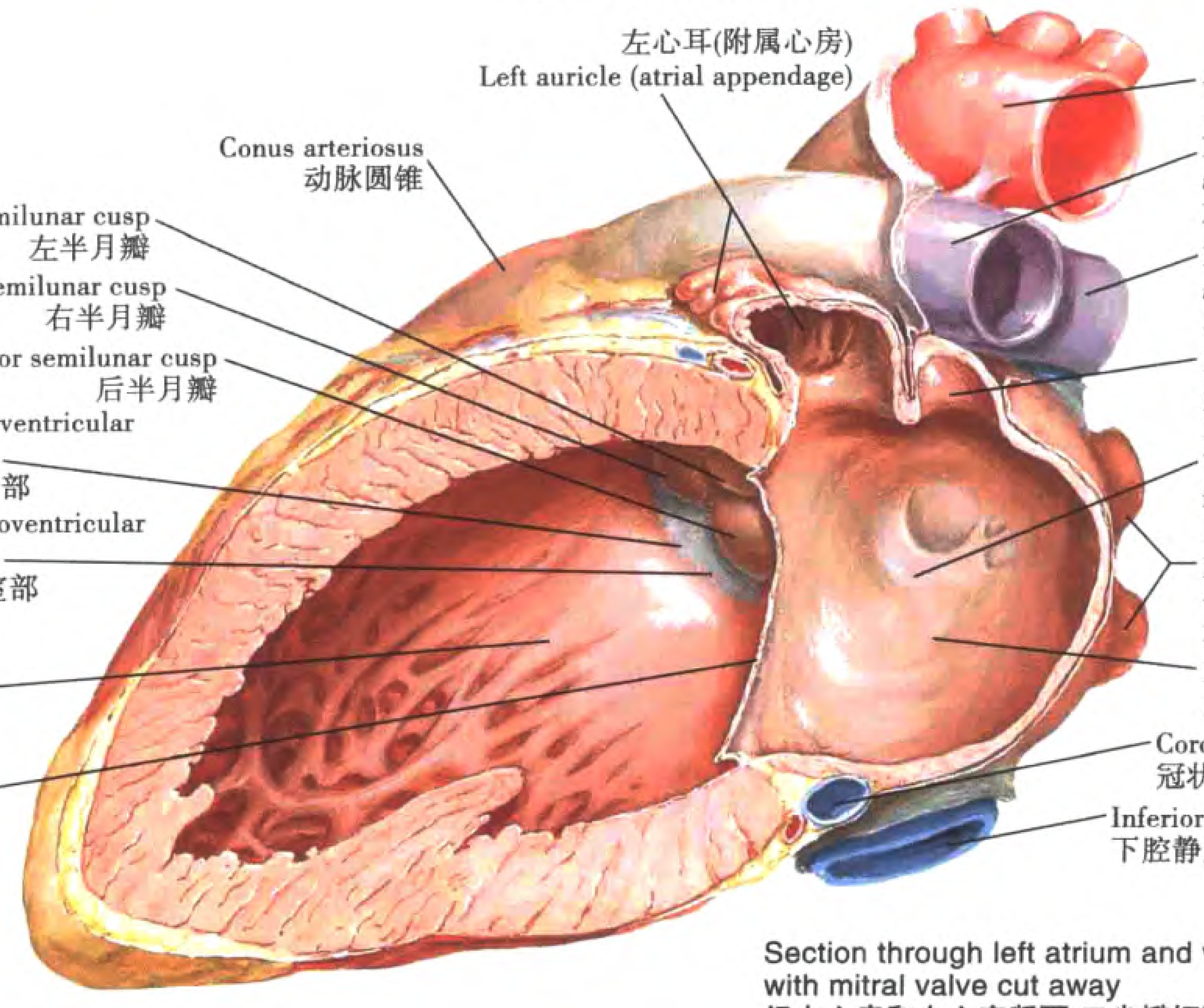
Opened right atrium: right lateral view
切开的右心房：右外侧观



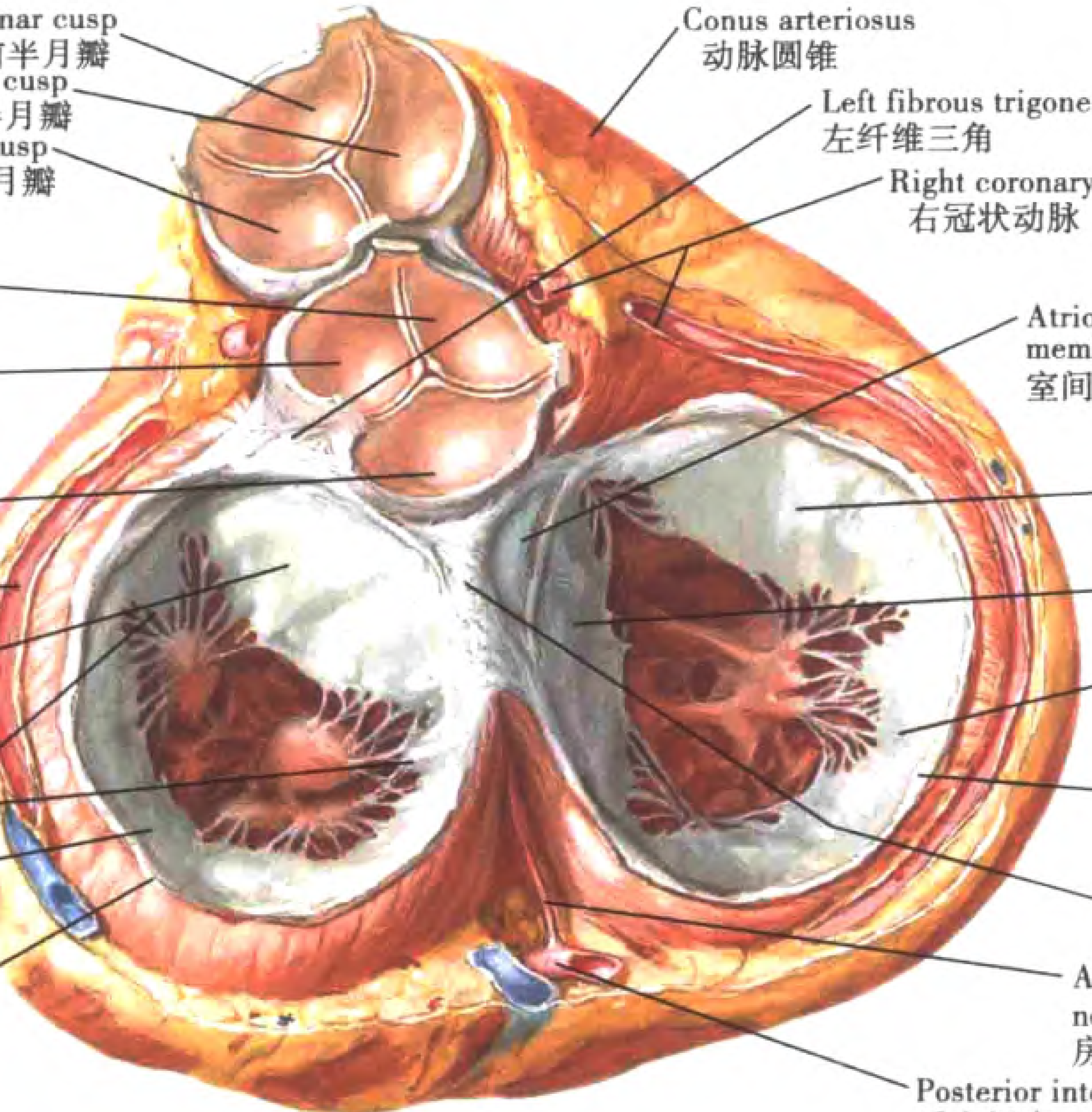
Opened right ventricle: anterior view
打开的右心室：前面观



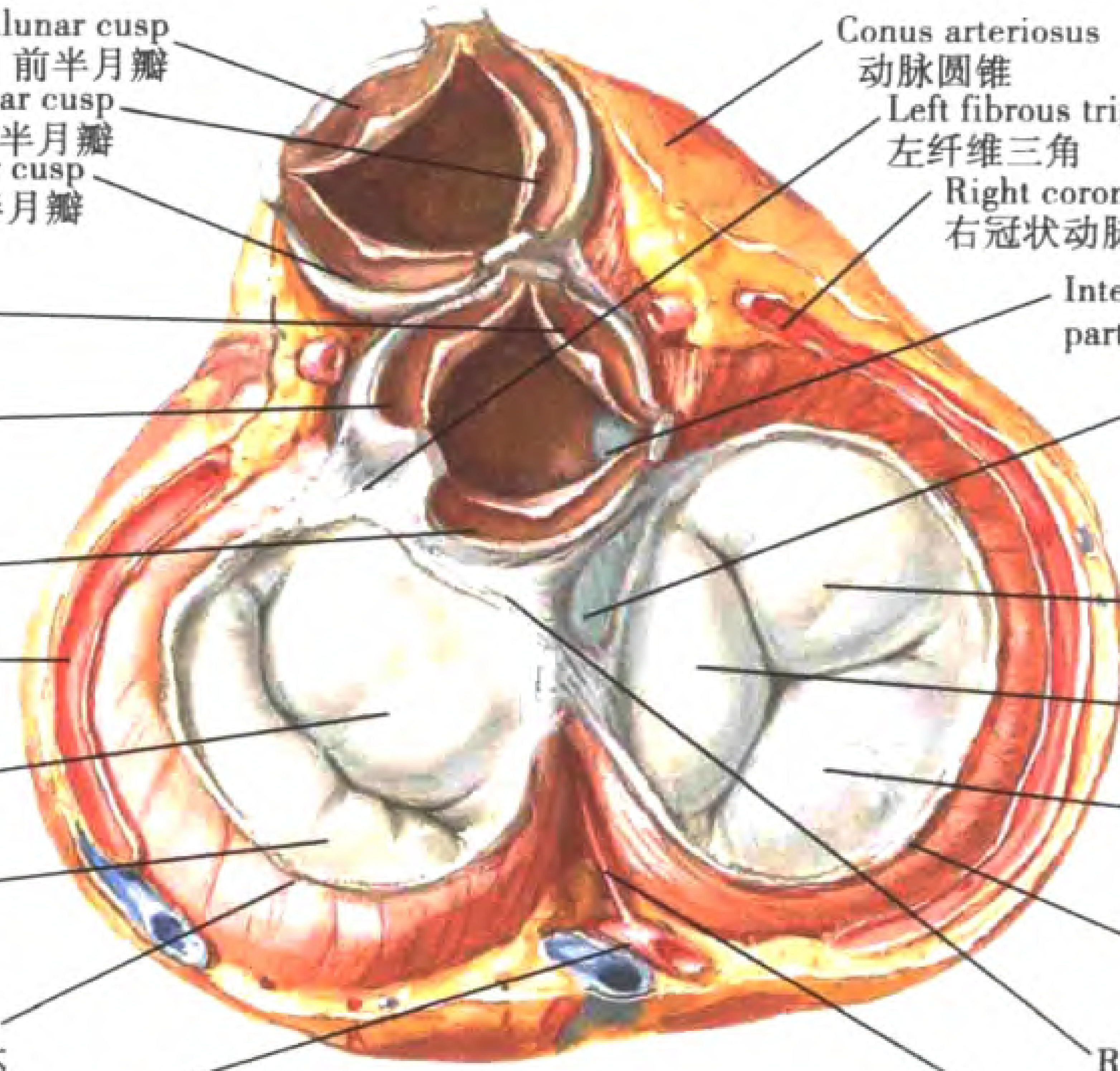
Flap opened in posterolateral wall of left ventricle
去除后外侧壁的左心室



Section through left atrium and ventricle with mitral valve cut away
经左心房和左心室断面,二尖瓣切除

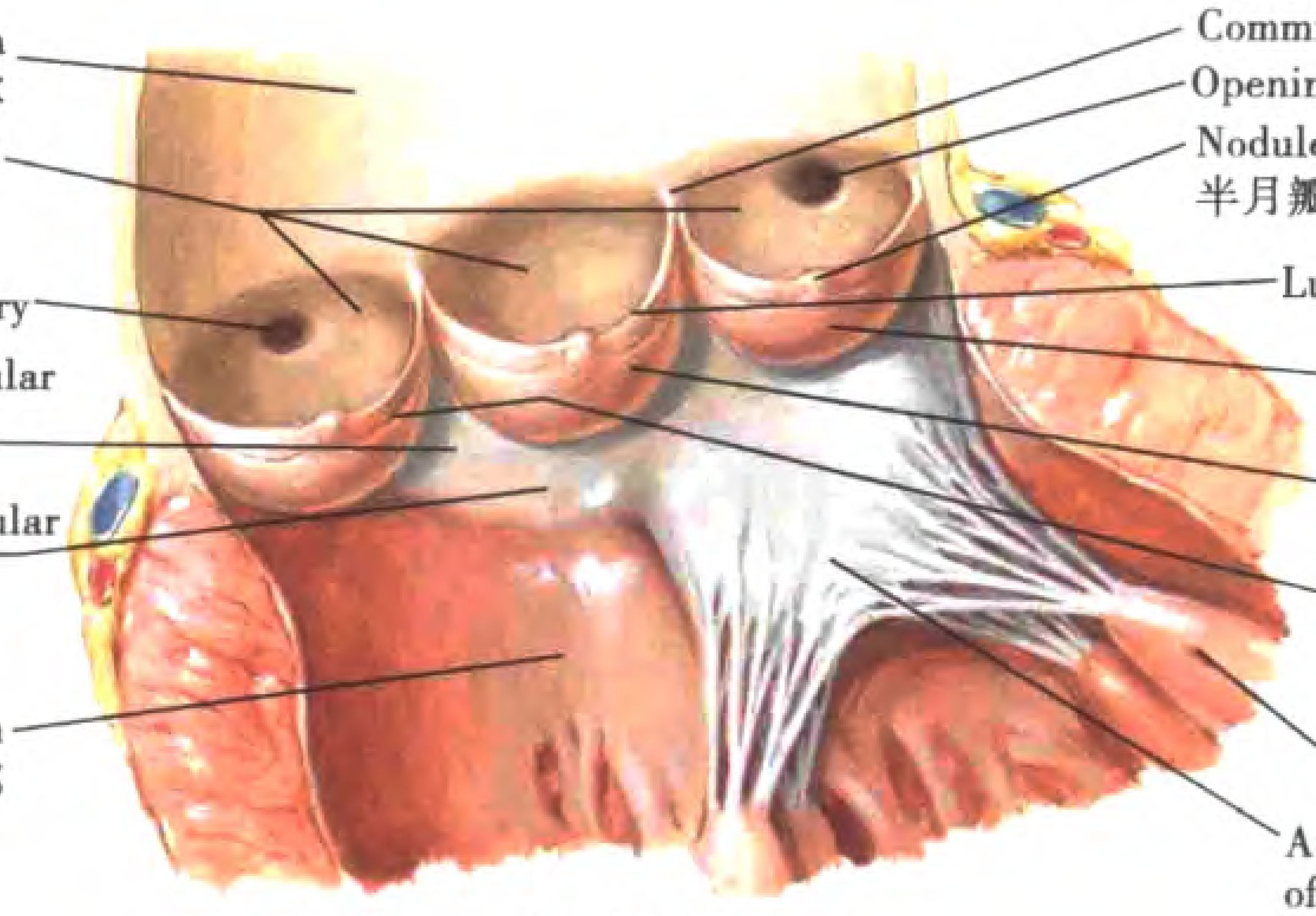


Heart in diastole: viewed from base with atria removed
舒张期心脏：切去心房后心底面观

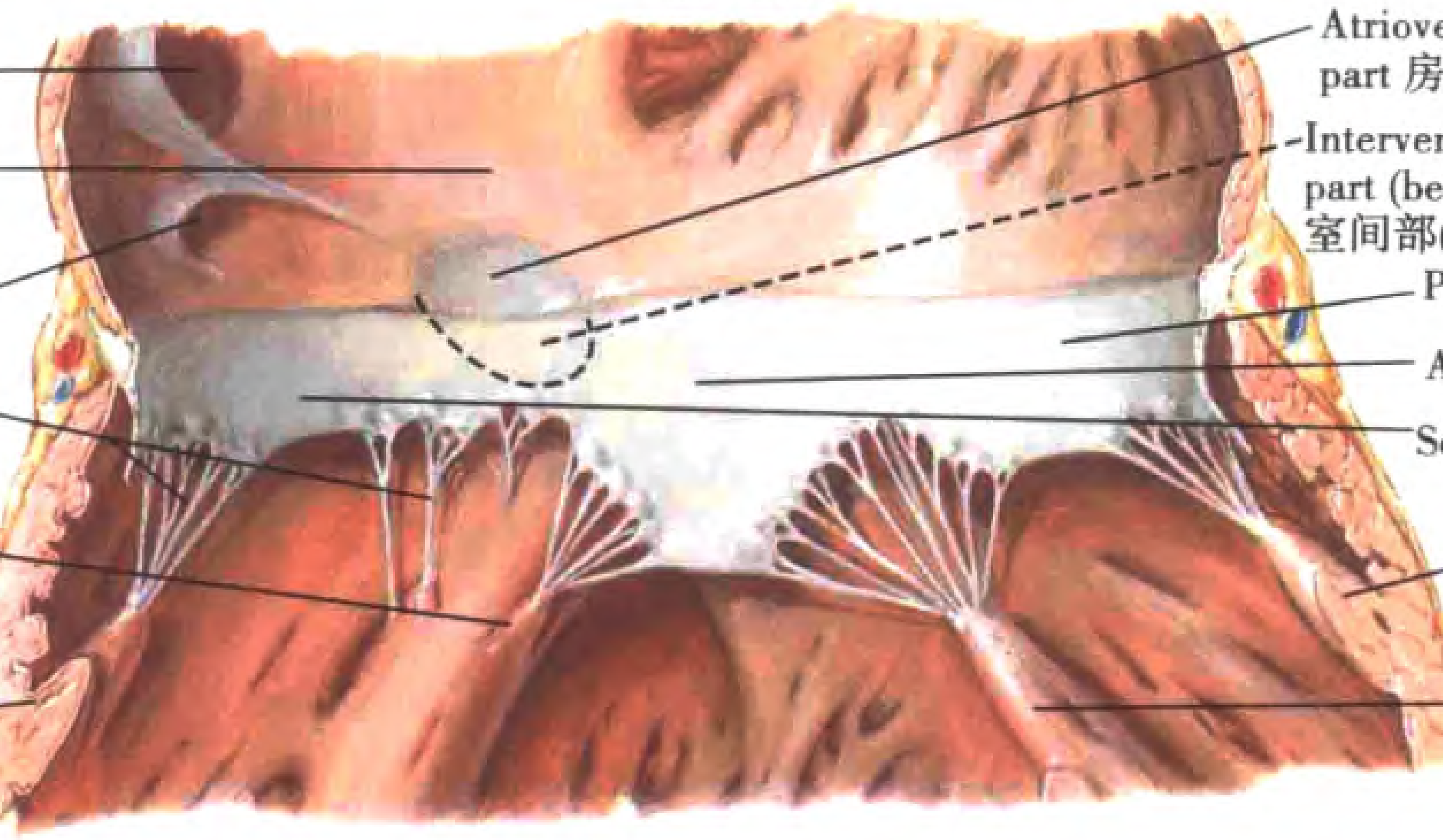


Heart in systole: viewed from base with atria removed
收缩期的心：切去心房后心底面观

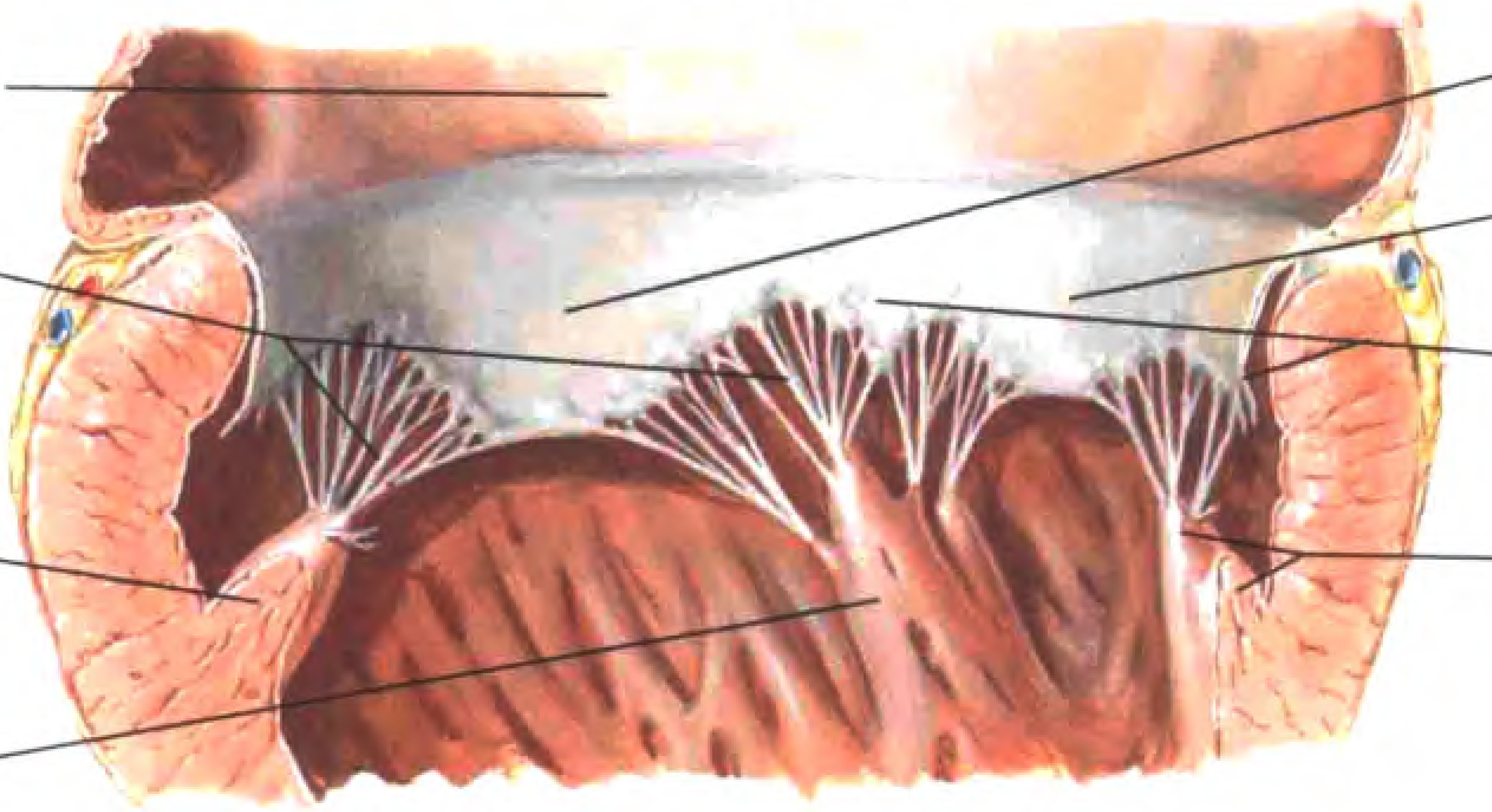
*Of left coronary artery 左冠状动脉分支
†Of right coronary artery 右冠状动脉分支



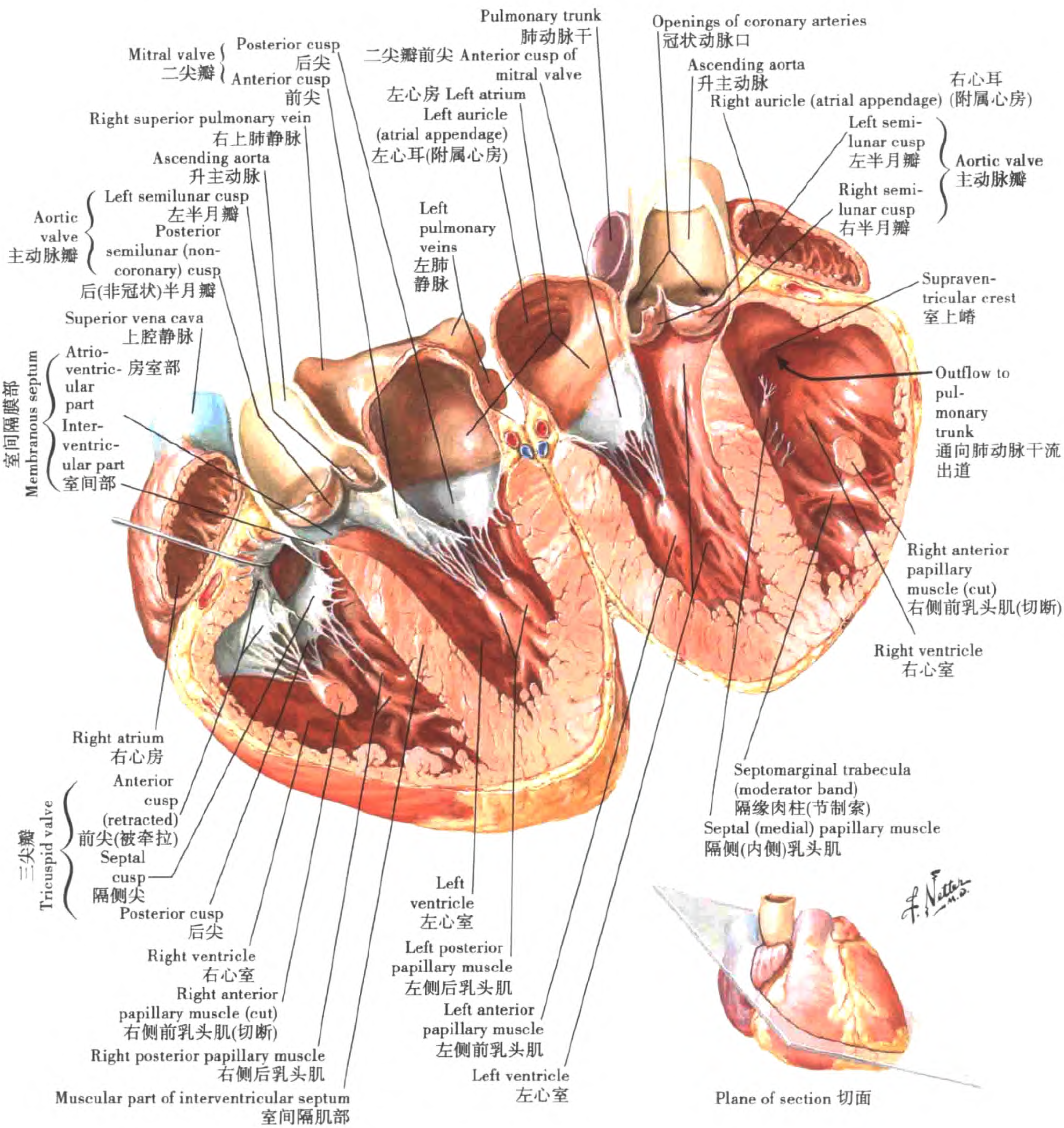
Aortic valve
主动脉瓣

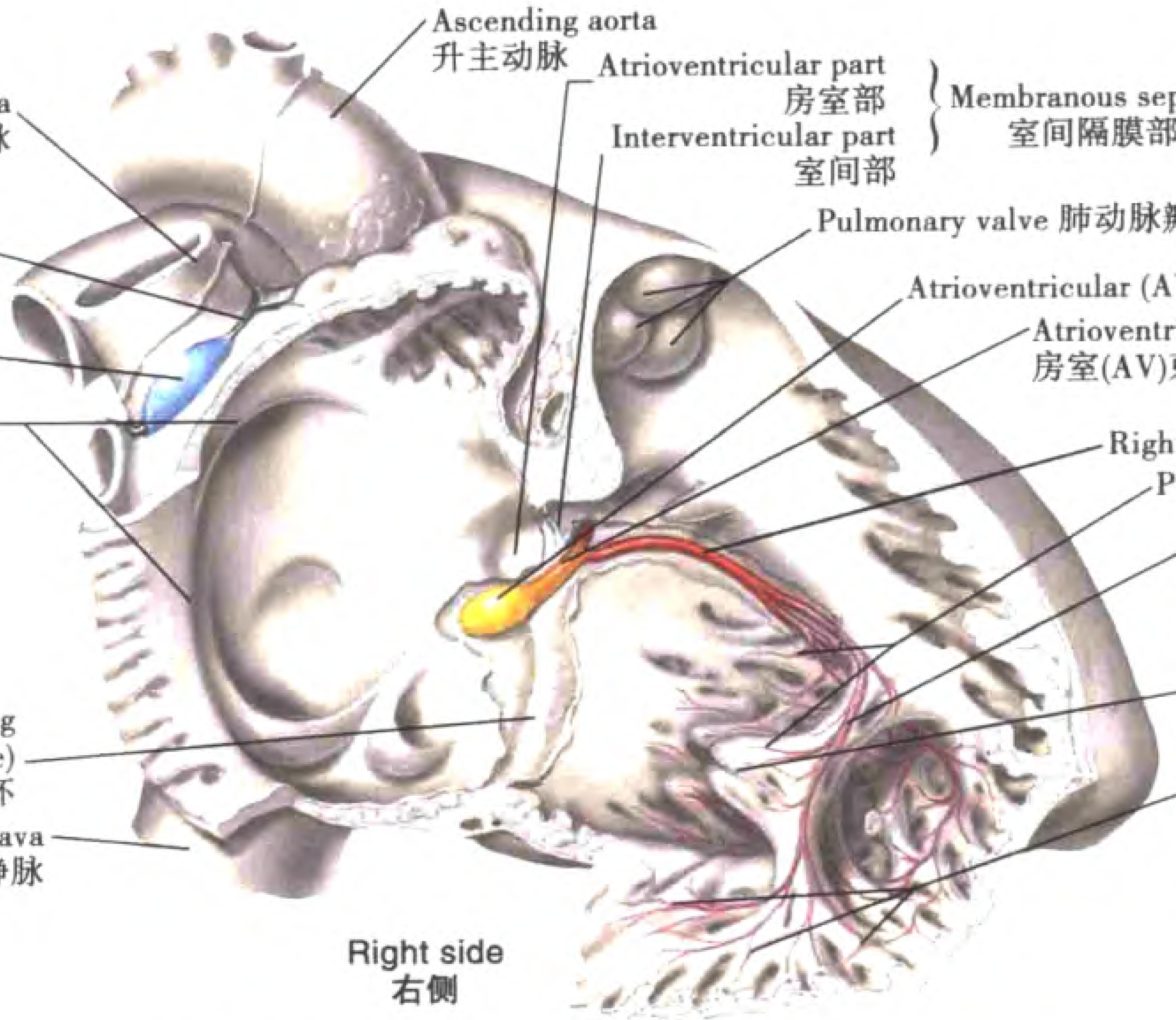


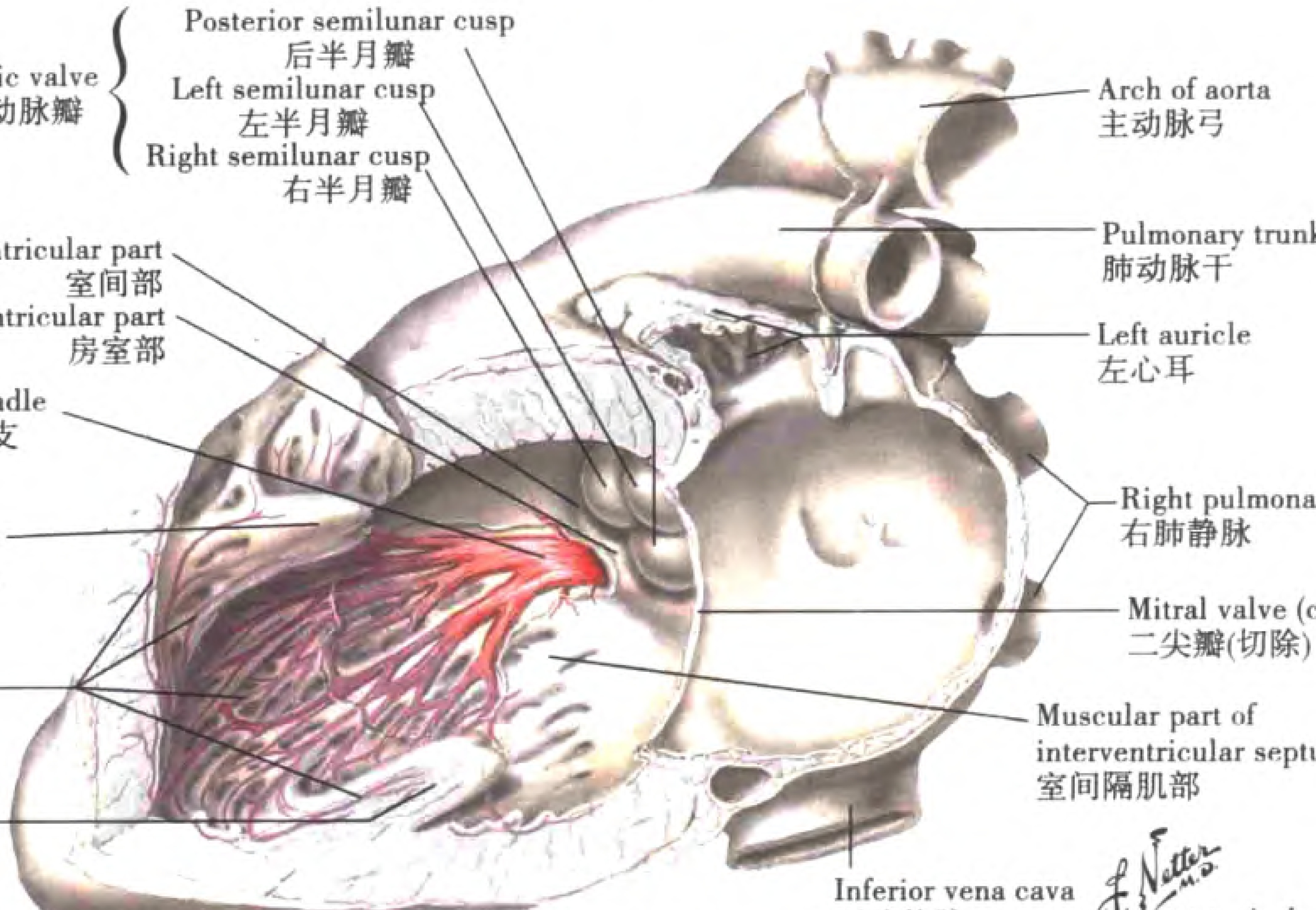
Tricuspid (right atrioventricular) valve
三尖(右房室)瓣

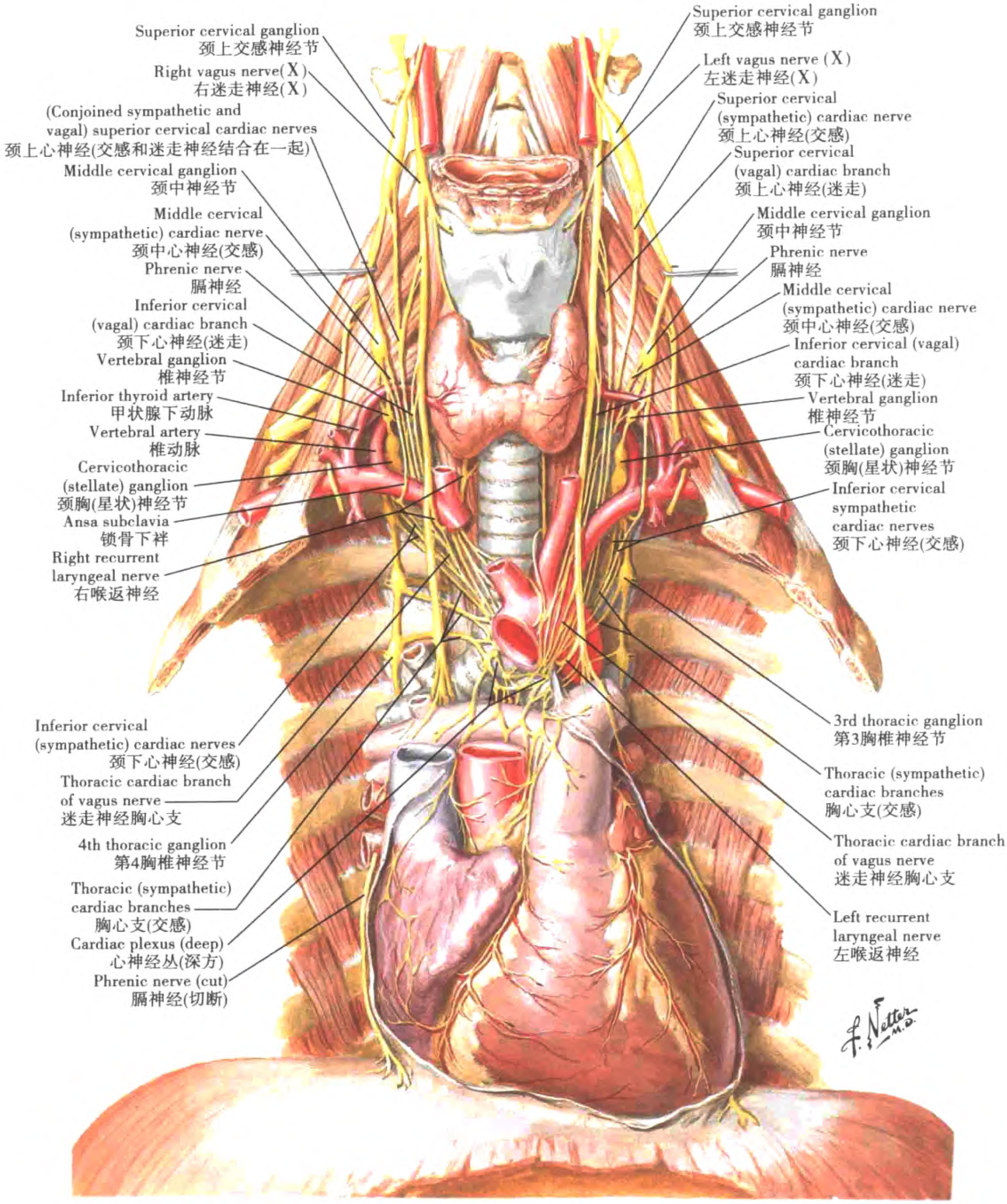


Mitral (left atrioventricular) valve
二尖(左房室)瓣

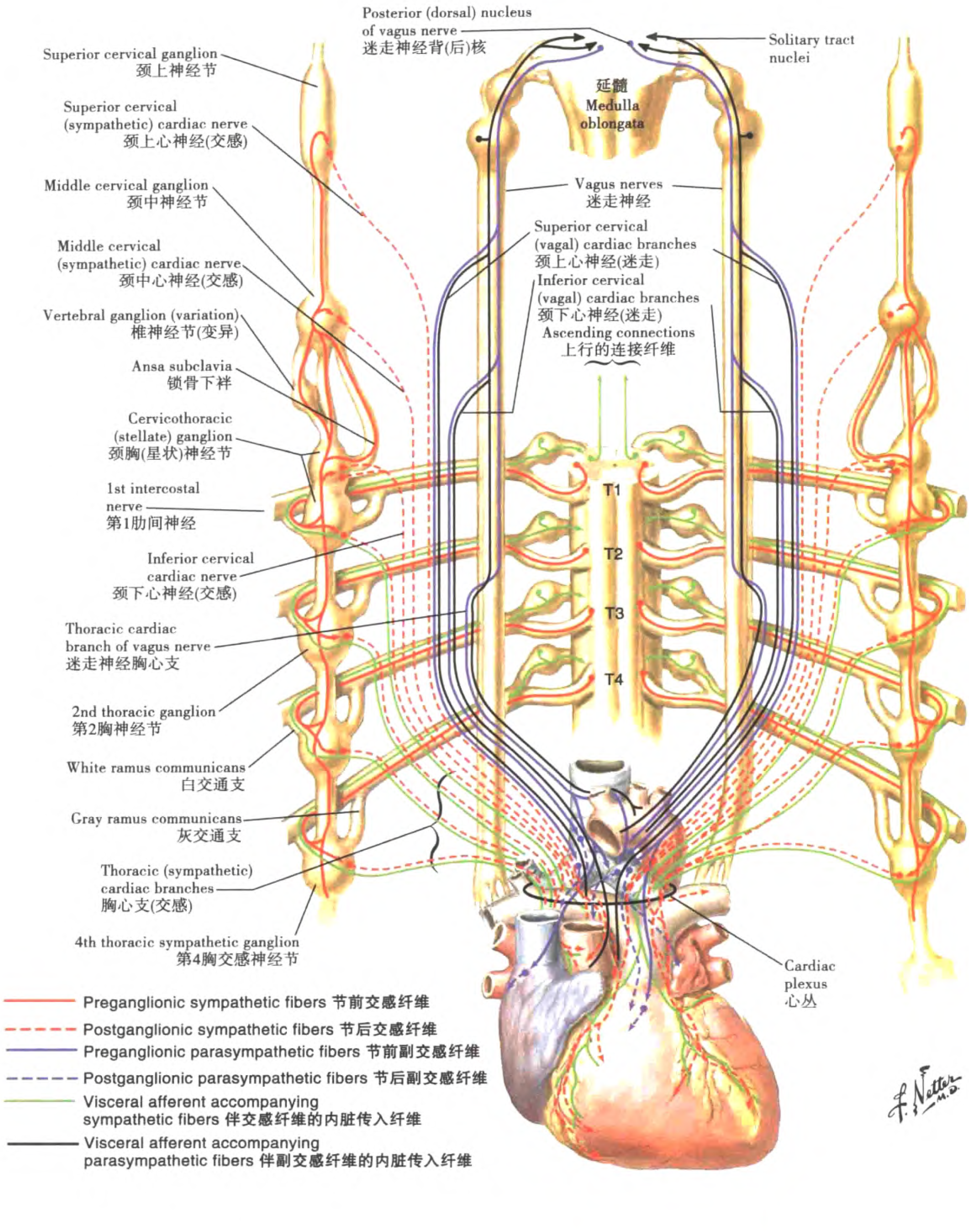

Mitral valve 二尖瓣
Posterior cusp 后尖
Anterior cusp 前尖
Pulmonary trunk 肺动脉干
二尖瓣前尖 Anterior cusp of mitral valve
左心房 Left atrium
Openings of coronary arteries 冠状动脉口
Ascending aorta 升主动脉
Right auricle (atrial appendage) 右心耳(附属心房)
Right superior pulmonary vein 右上肺静脉
Ascending aorta 升主动脉
Left auricle (atrial appendage) 左心耳(附属心房)
Left semi-lunar cusp 左半月瓣
Right semi-lunar cusp 右半月瓣
Aortic valve 主动脉瓣
Aortic valve 主动脉瓣
Left semilunar cusp 左半月瓣
Posterior semilunar (non-coronary) cusp 后(非冠状)半月瓣
Left pulmonary veins 左肺静脉
Supraventricular crest 室上嵴
Superior vena cava 上腔静脉
Membranous septum 室间隔膜部
Atrio-ventricular part 房室部
Inter-ventricular part 室间部
Outflow to pulmonary trunk 通向肺动脉干流出道
Right anterior papillary muscle (cut) 右侧前乳头肌(切断)
Right ventricle 右心室
Right atrium 右心房
Tricuspid valve 三尖瓣
Anterior cusp (retracted) 前尖(被牵拉)
Septal cusp 隔侧尖
Posterior cusp 后尖
Right ventricle 右心室
Right anterior papillary muscle (cut) 右侧前乳头肌(切断)
Right posterior papillary muscle 右侧后乳头肌
Muscular part of interventricular septum 室间隔肌部
Left ventricle 左心室
Left posterior papillary muscle 左侧后乳头肌
Left anterior papillary muscle 左侧前乳头肌
Left ventricle 左心室
Septomarginal trabecula (moderator band) 隔缘肉柱(节制索)
Septal (medial) papillary muscle 隔侧(内侧)乳头肌
Plane of section 切面


Ascending aorta
升主动脉
Atrioventricular part
房室部
Interventricular part
室间部
Membranous septum
室间隔膜部
Superior vena cava
上腔静脉
Sinu-atrial(SA) nodal artery
窦房(SA)结动脉
Sinu-atrial (SA) node
窦房(SA)结
Crista terminalis
界嵴
Pulmonary valve 肺动脉瓣
Atrioventricular (AV) node 房室(AV)结
Atrioventricular (AV) bundle (of His)
房室(AV)束(His束)
Right bundle 右束支
Purkinje fibers Purkinje 纤维
Septomarginal trabecula (moderator band)
隔缘肉柱(节制索)
Anterior papillary muscle
前乳头肌
Right fibrous ring (of tricuspid valve)
(三尖瓣)右纤维环
Inferior vena cava
下腔静脉
Subendocardial branches (Purkinje fibers)
心内膜下分支(Purkenje纤维)
Right side
右侧

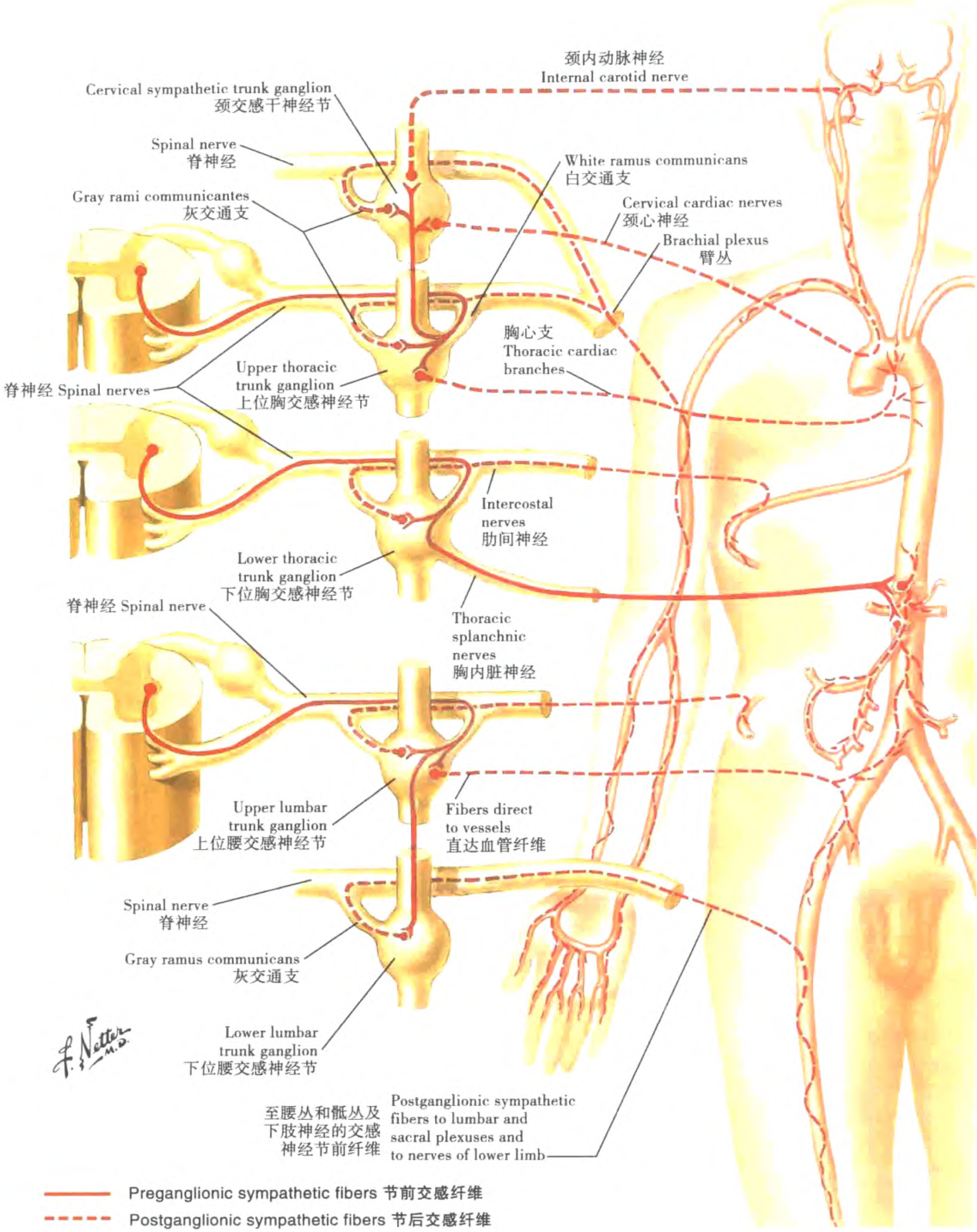

Aortic valve
主动脉瓣
Posterior semilunar cusp
后半月瓣
Left semilunar cusp
左半月瓣
Right semilunar cusp
右半月瓣
Arch of aorta
主动脉弓
Membranous septum
室间隔膜部
Interventricular part
室间部
Atrioventricular part
房室部
Pulmonary trunk
肺动脉干
Left auricle
左心耳
Left bundle
左束支
Anterior papillary muscle
前乳头肌
Right pulmonary veins
右肺静脉
Subendocardial branches (Purkinje fibers)
心内膜下分支(Purkenje纤维)
Mitral valve (cut away)
二尖瓣(切除)
Muscular part of interventricular septum
室间隔肌部
Posterior papillary muscle
后乳头肌
Inferior vena cava
下腔静脉
F. Netter M.D.
C. Machado M.D.
Left side
左侧

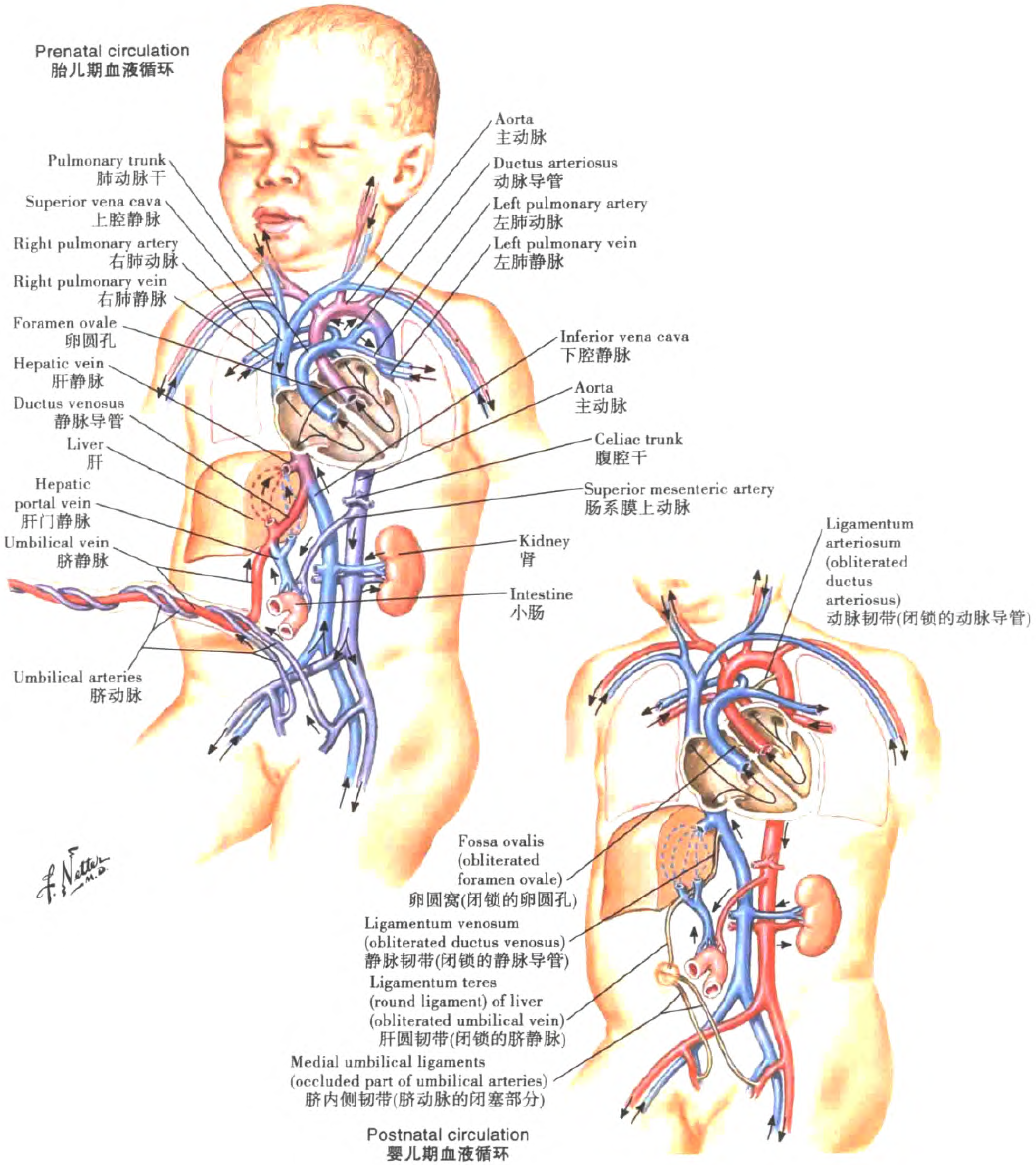


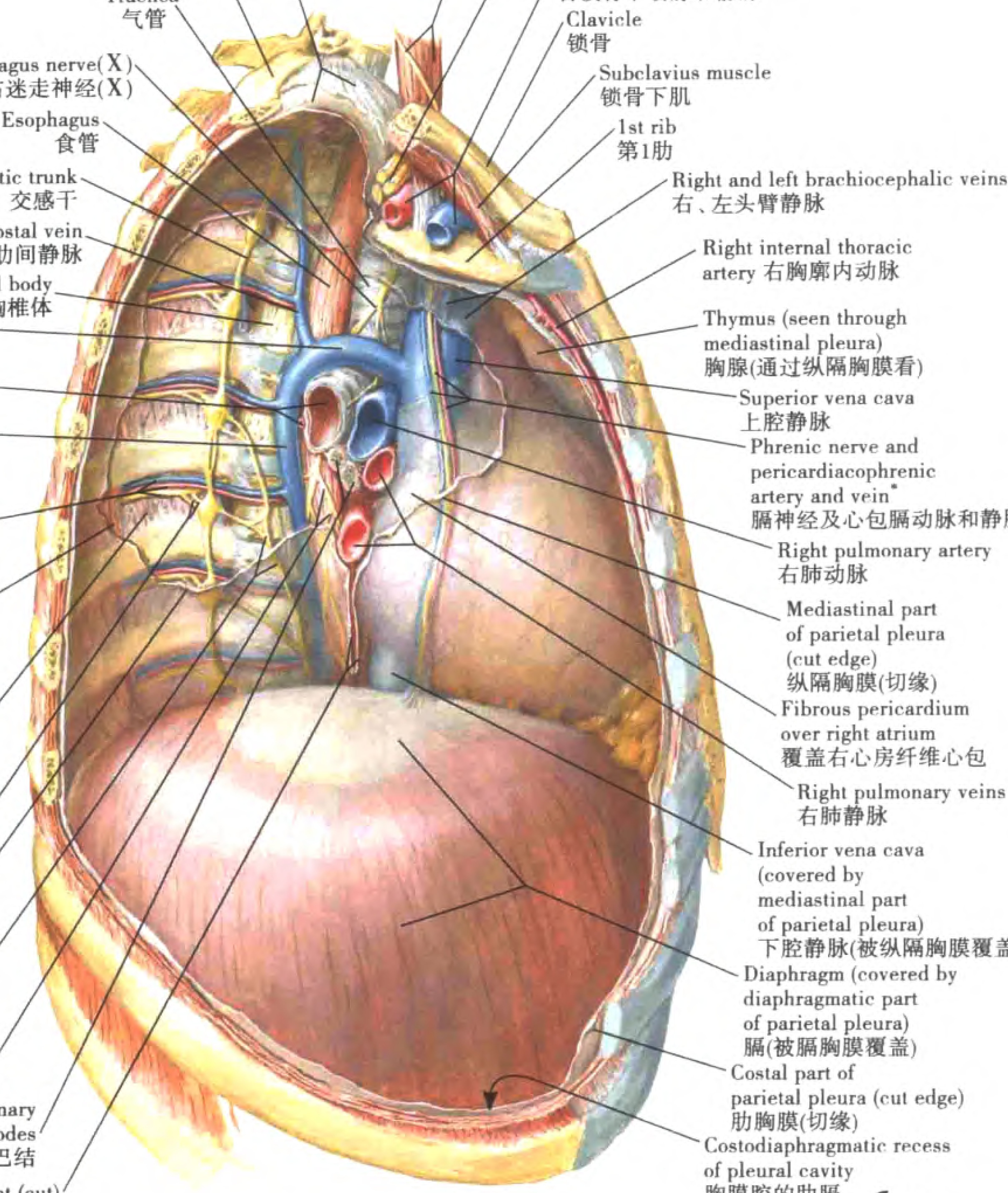
Superior cervical ganglion
颈上交感神经节
Right vagus nerve(X)
右迷走神经(X)
(Conjoined sympathetic and vagal) superior cervical cardiac nerves
颈上心神经(交感和迷走神经结合在一起)
Middle cervical ganglion
颈中神经节
Middle cervical (sympathetic) cardiac nerve
颈中心神经(交感)
Phrenic nerve
膈神经
Inferior cervical (vagal) cardiac branch
颈下心神经(迷走)
Vertebral ganglion
椎神经节
Inferior thyroid artery
甲状腺下动脉
Vertebral artery
椎动脉
Cervicothoracic (stellate) ganglion
颈胸(星状)神经节
Ansa subclavia
锁骨下袢
Right recurrent laryngeal nerve
右喉返神经
Inferior cervical (sympathetic) cardiac nerves
颈下心神经(交感)
Thoracic cardiac branch of vagus nerve
迷走神经胸心支
4th thoracic ganglion
第4胸椎神经节
Thoracic (sympathetic) cardiac branches
胸心支(交感)
Cardiac plexus (deep)
心神经丛(深方)
Phrenic nerve (cut)
膈神经(切断)
Superior cervical ganglion
颈上交感神经节
Left vagus nerve (X)
左迷走神经(X)
Superior cervical (sympathetic) cardiac nerve
颈上心神经(交感)
Superior cervical (vagal) cardiac branch
颈上心神经(迷走)
Middle cervical ganglion
颈中神经节
Phrenic nerve
膈神经
Middle cervical (sympathetic) cardiac nerve
颈中心神经(交感)
Inferior cervical (vagal) cardiac branch
颈下心神经(迷走)
Vertebral ganglion
椎神经节
Cervicothoracic (stellate) ganglion
颈胸(星状)神经节
Inferior cervical sympathetic cardiac nerves
颈下心神经(交感)
3rd thoracic ganglion
第3胸椎神经节
Thoracic (sympathetic) cardiac branches
胸心支(交感)
Thoracic cardiac branch of vagus nerve
迷走神经胸心支
Left recurrent laryngeal nerve
左喉返神经
F. Netter M.D.


Posterior (dorsal) nucleus of vagus nerve 迷走神经背(后)核
Solitary tract nuclei
Superior cervical ganglion 颈上神经节
延髓 Medulla oblongata
Superior cervical (sympathetic) cardiac nerve 颈上心神经(交感)
Middle cervical ganglion 颈中神经节
Vagus nerves 迷走神经
Superior cervical (vagal) cardiac branches 颈上心神经(迷走)
Middle cervical (sympathetic) cardiac nerve 颈中心神经(交感)
Inferior cervical (vagal) cardiac branches 颈下心神经(迷走)
Vertebral ganglion (variation) 椎神经节(变异)
Ascending connections 上行的连接纤维
Ansa subclavia 锁骨下袢
Cervicothoracic (stellate) ganglion 颈胸(星状)神经节
1st intercostal nerve 第1肋间神经
T1
T2
T3
T4
Inferior cervical cardiac nerve 颈下心神经(交感)
Thoracic cardiac branch of vagus nerve 迷走神经胸心支
2nd thoracic ganglion 第2胸神经节
White ramus communicans 白交通支
Gray ramus communicans 灰交通支
Thoracic (sympathetic) cardiac branches 胸心支(交感)
4th thoracic sympathetic ganglion 第4胸交感神经节
Cardiac plexus 心丛
Preganglionic sympathetic fibers 节前交感纤维
Postganglionic sympathetic fibers 节后交感纤维
Preganglionic parasympathetic fibers 节前副交感纤维
Postganglionic parasympathetic fibers 节后副交感纤维
Visceral afferent accompanying sympathetic fibers 伴交感纤维的内脏传入纤维
Visceral afferent accompanying parasympathetic fibers 伴副交感纤维的内脏传入纤维
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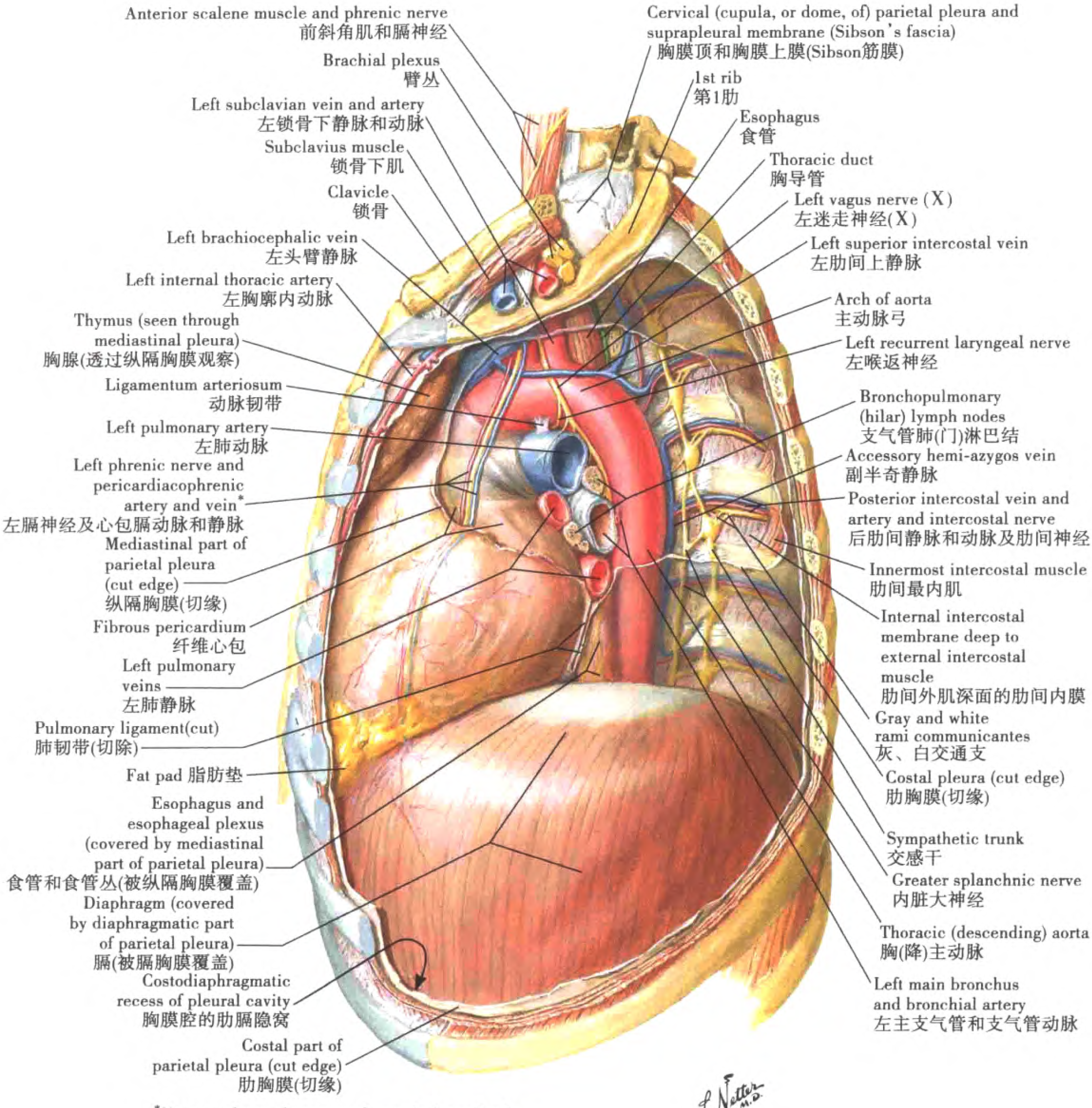
血管的神经支配：示意图


颈内动脉神经
Internal carotid nerve
Cervical sympathetic trunk ganglion
颈交感干神经节
Spinal nerve
脊神经
Gray rami communicantes
灰交通支
White ramus communicans
白交通支
Cervical cardiac nerves
颈心神经
Brachial plexus
臂丛
胸心支
Thoracic cardiac
branches
Upper thoracic
trunk ganglion
上位胸交感神经节
脊神经 Spinal nerves
Intercostal
nerves
肋间神经
Lower thoracic
trunk ganglion
下位胸交感神经节
脊神经 Spinal nerve
Thoracic
splanchnic
nerves
胸内脏神经
Upper lumbar
trunk ganglion
上位腰交感神经节
Fibers direct
to vessels
直达血管纤维
Spinal nerve
脊神经
Gray ramus communicans
灰交通支
Lower lumbar
trunk ganglion
下位腰交感神经节
至腰丛和骶丛及
下肢神经的交感
神经节前纤维
Postganglionic sympathetic
fibers to lumbar and
sacral plexuses and
to nerves of lower limb
F. Netter M.D.
Preganglionic sympathetic fibers 节前交感纤维
Postganglionic sympathetic fibers 节后交感纤维

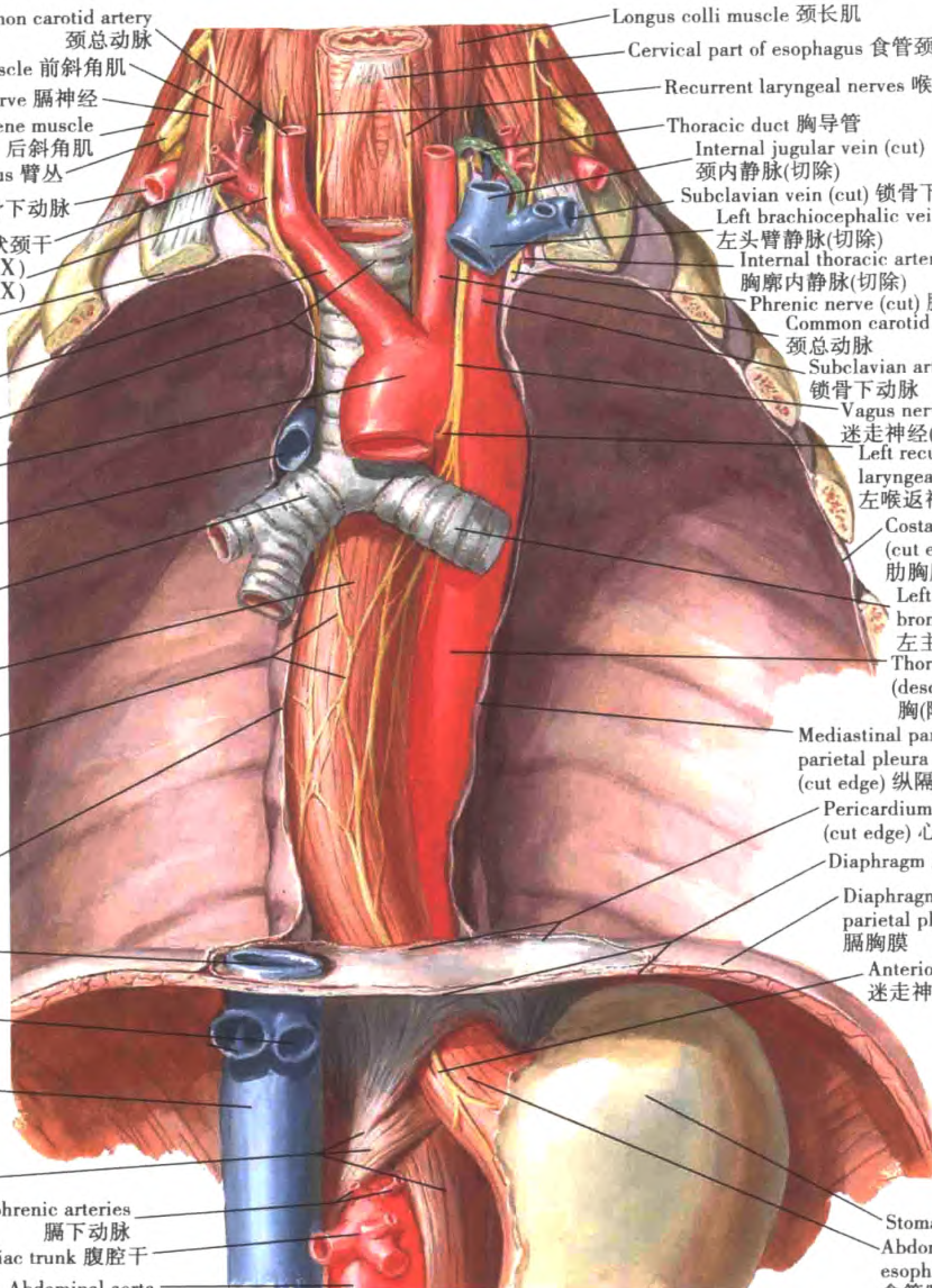

Prenatal circulation
胎儿期血液循环
Pulmonary trunk
肺动脉干
Superior vena cava
上腔静脉
Right pulmonary artery
右肺动脉
Right pulmonary vein
右肺静脉
Foramen ovale
卵圆孔
Hepatic vein
肝静脉
Ductus venosus
静脉导管
Liver
肝
Hepatic portal vein
肝门静脉
Umbilical vein
脐静脉
Umbilical arteries
脐动脉
Aorta
主动脉
Ductus arteriosus
动脉导管
Left pulmonary artery
左肺动脉
Left pulmonary vein
左肺静脉
Inferior vena cava
下腔静脉
Aorta
主动脉
Celiac trunk
腹腔干
Superior mesenteric artery
肠系膜上动脉
Kidney
肾
Intestine
小肠
Ligamentum arteriosum (obliterated ductus arteriosus)
动脉韧带(闭锁的动脉导管)
Fossa ovalis (obliterated foramen ovale)
卵圆窝(闭锁的卵圆孔)
Ligamentum venosum (obliterated ductus venosus)
静脉韧带(闭锁的静脉导管)
Ligamentum teres (round ligament) of liver (obliterated umbilical vein)
肝圆韧带(闭锁的脐静脉)
Medial umbilical ligaments (occluded part of umbilical arteries)
脐内侧韧带(脐动脉的闭塞部分)
Postnatal circulation
婴儿期血液循环

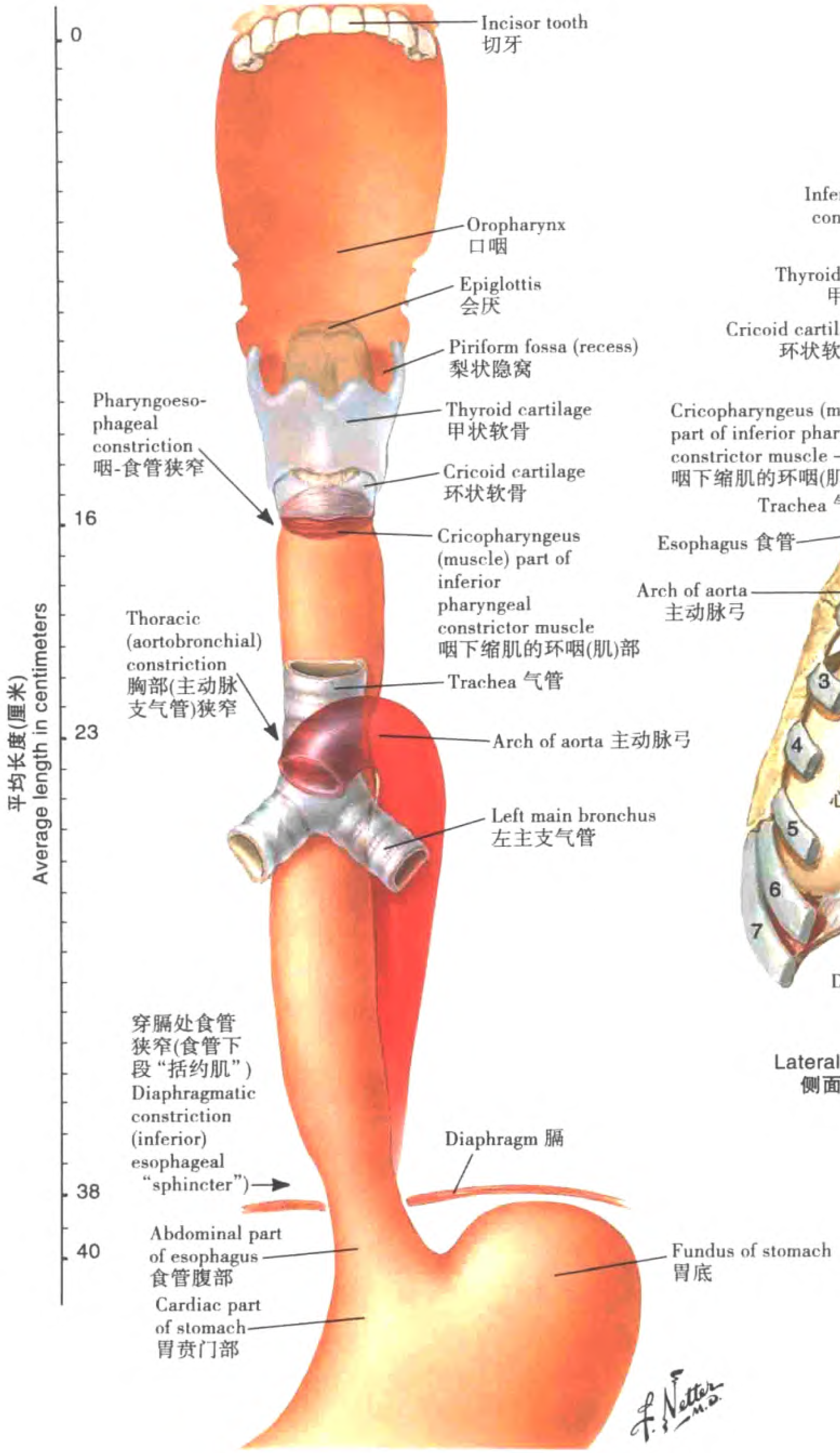


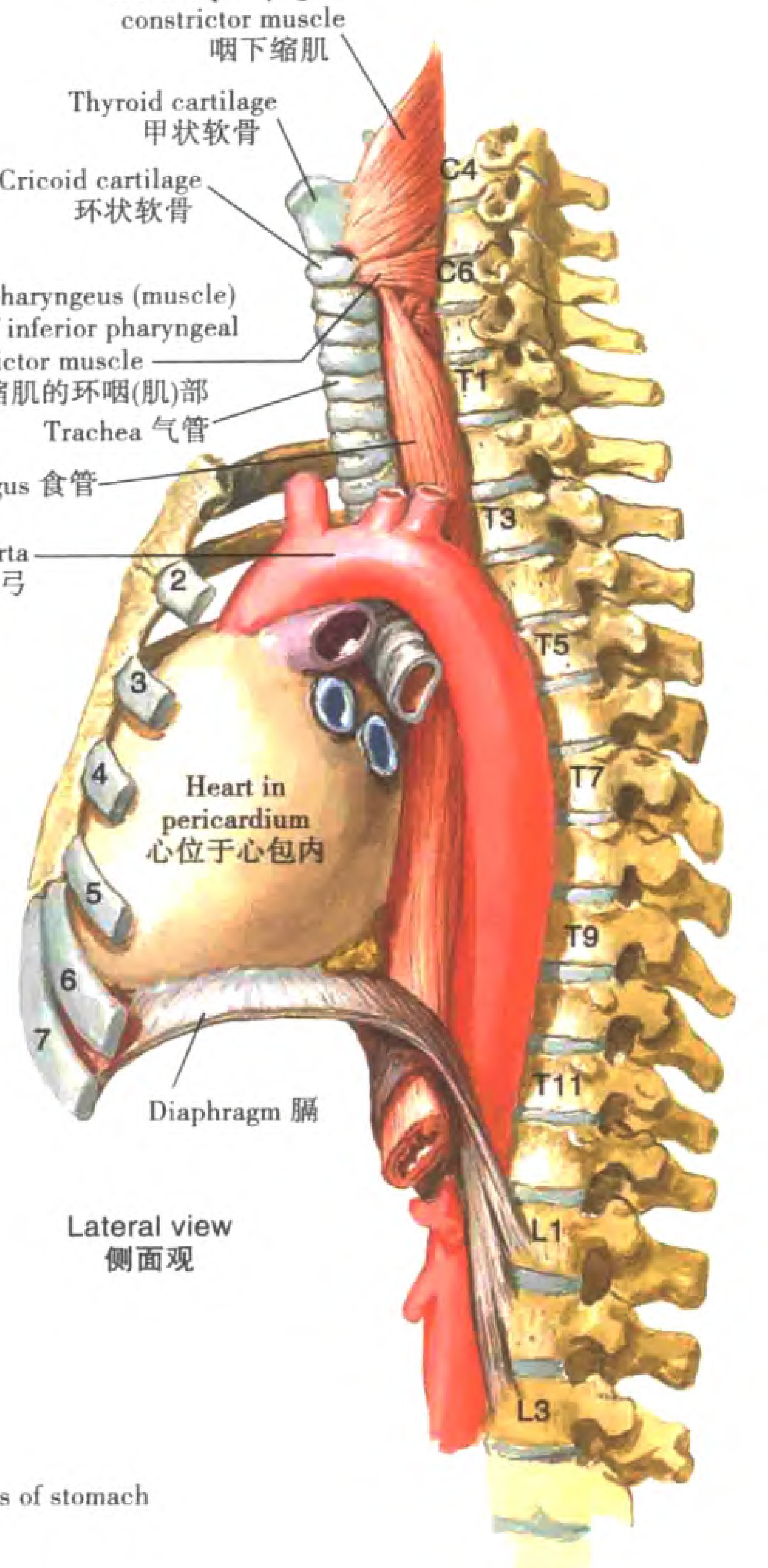
*Nerve and vessels commonly run independently.
神经和血管通常独立走行



*Nerve and vessels commonly run independently.
神经和血管通常独立走行

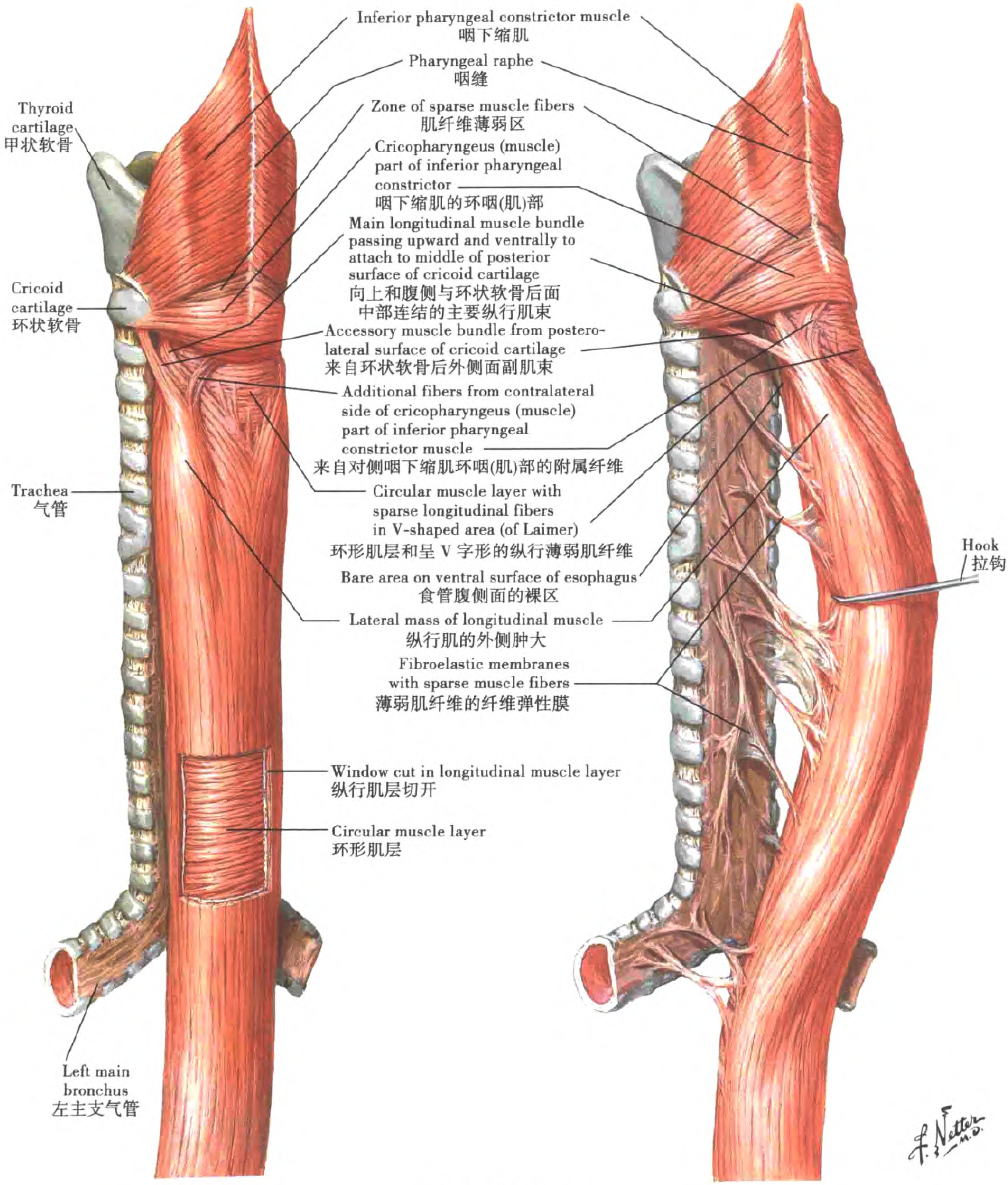

Common carotid artery
颈总动脉
Anterior scalene muscle 前斜角肌
Phrenic nerve 膈神经
Posterior scalene muscle
后斜角肌
Brachial plexus 臂丛
Subclavian artery 锁骨下动脉
Thyrocervical trunk 甲状颈干
Vagus nerve (X)
迷走神经(X)
1st rib (cut)
第1肋(切除)
Brachiocephalic trunk
头臂干
气管 Trachea
主动脉弓 Arch of aorta
Arch of azygos vein
奇静脉弓
Right main bronchus
右主支气管
Thoracic part
of esophagus
食管胸部
Esophageal plexus
食管丛
Mediastinal part of
parietal pleura
(cut edge)
纵隔胸膜
Inferior vena cava (cut)
下腔静脉(切除)
Hepatic veins (cut)
肝静脉(切除)
Inferior vena cava
下腔静脉
右、左
膈脚
Right and
left crura of
diaphragm
Inferior phrenic arteries
膈下动脉
Celiac trunk 腹腔干
Abdominal aorta
腹主动脉
Longus colli muscle 颈长肌
Cervical part of esophagus 食管颈部
Recurrent laryngeal nerves 喉返神经
Thoracic duct 胸导管
Internal jugular vein (cut)
颈内静脉(切除)
Subclavian vein (cut) 锁骨下静脉(切除)
Left brachiocephalic vein (cut)
左头臂静脉(切除)
Internal thoracic artery (cut)
胸廓内静脉(切除)
Phrenic nerve (cut) 膈神经(切除)
Common carotid artery
颈总动脉
Subclavian artery
锁骨下动脉
Vagus nerve (X)
迷走神经(X)
Left recurrent
laryngeal nerve
左喉返神经
Costal pleura
(cut edge)
肋胸膜(切缘)
Left main
bronchus
左主支气管
Thoracic
(descending) aorta
胸(降)主动脉
Mediastinal part of
parietal pleura
(cut edge) 纵隔胸膜(切缘)
Pericardium
(cut edge) 心包(切缘)
Diaphragm 膈
Diaphragmatic part of
parietal pleura
膈胸膜
Anterior vagal trunk
迷走神经前干
Stomach 胃
Abdominal part of
esophagus
食管腹部



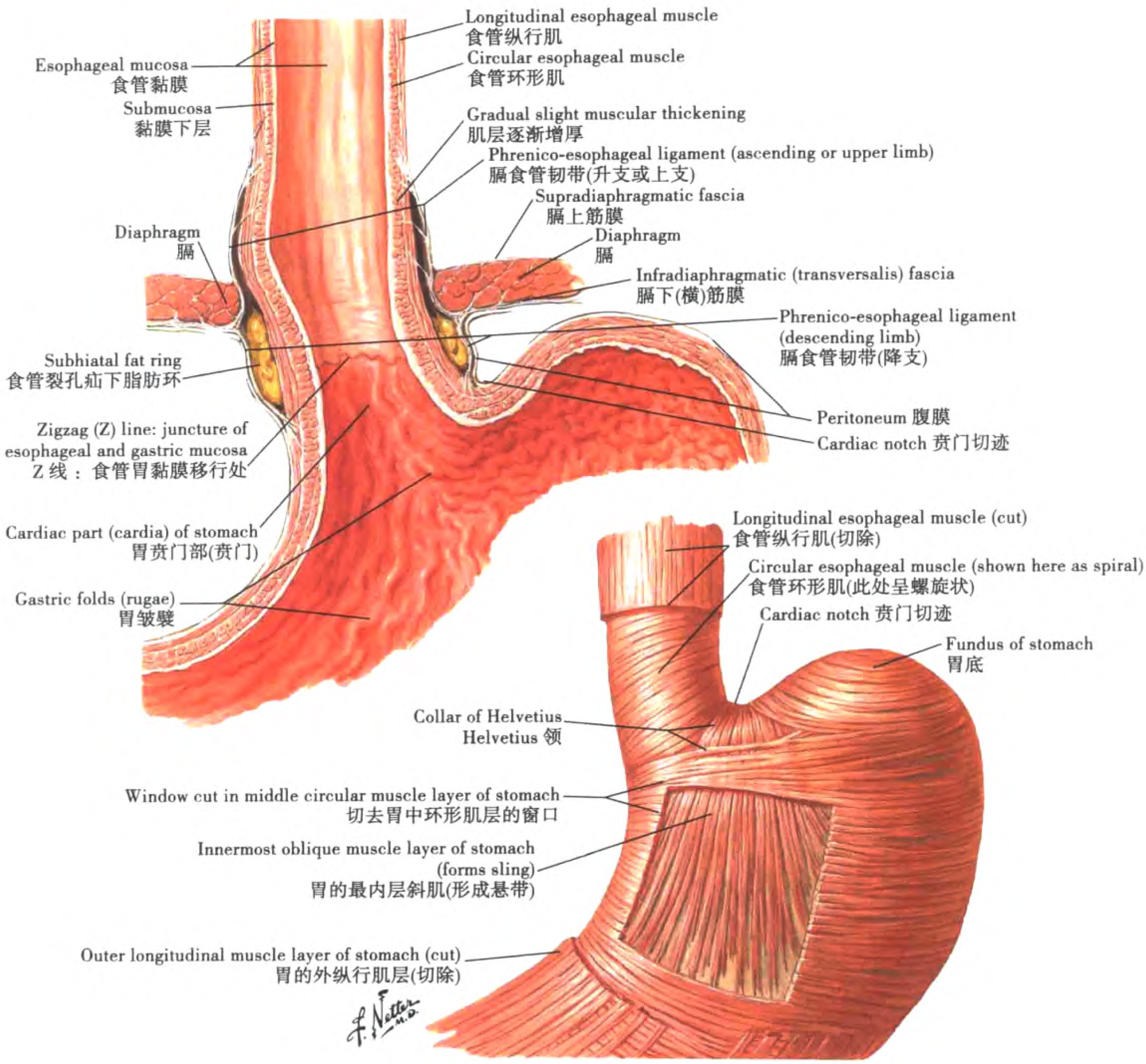


Lateral view
侧面观

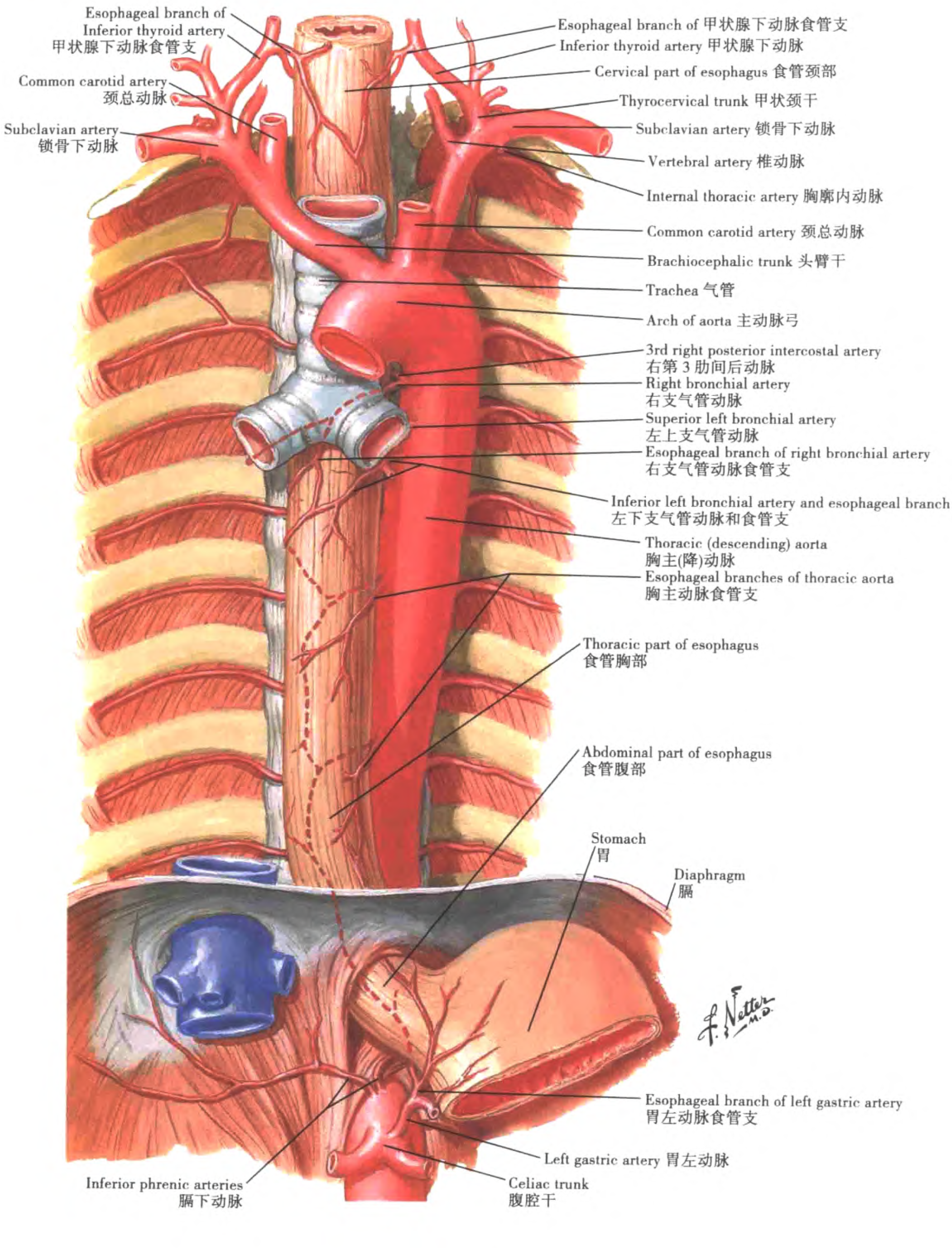
参见图 67,70

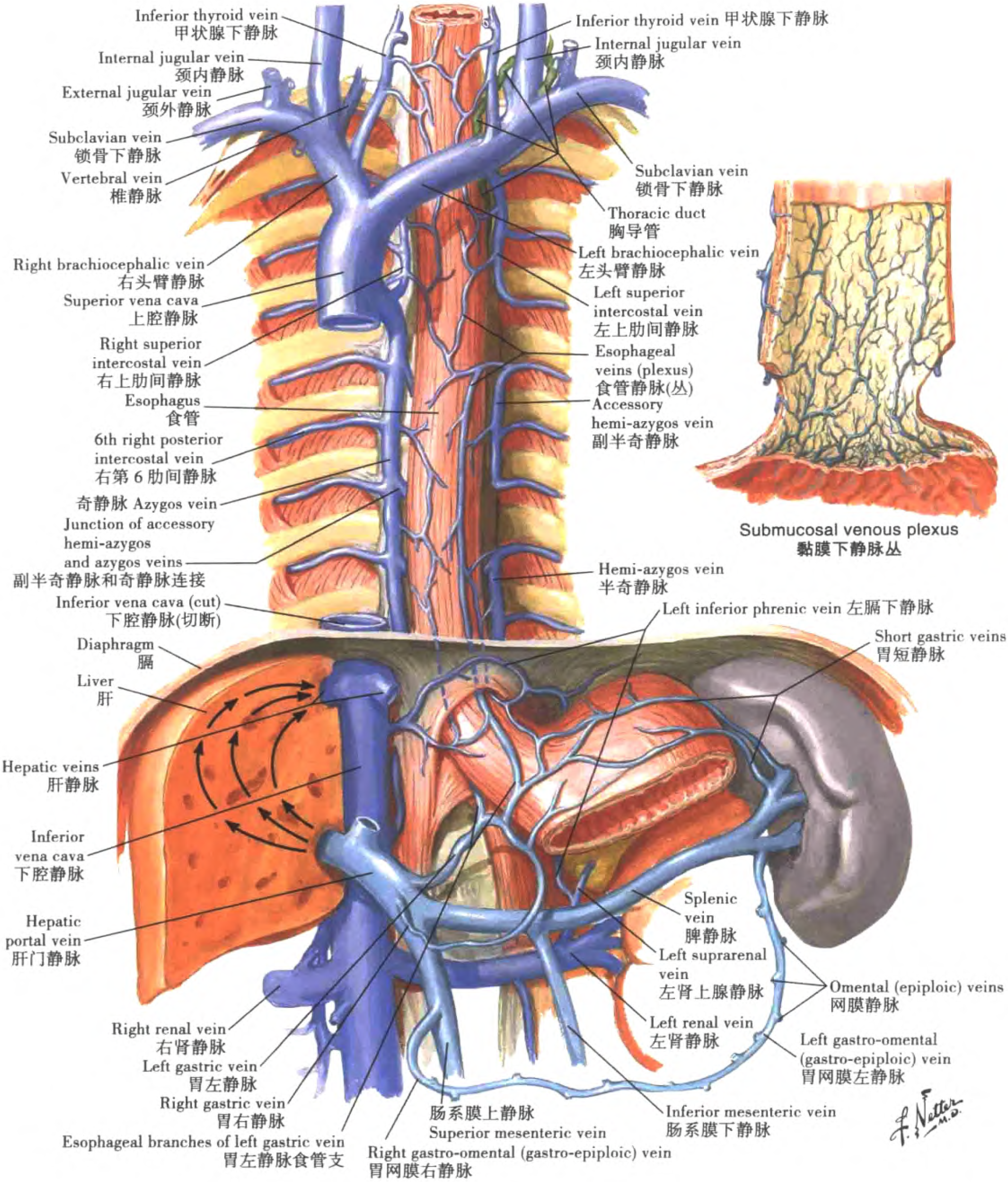


Posterolateral view
后外侧观

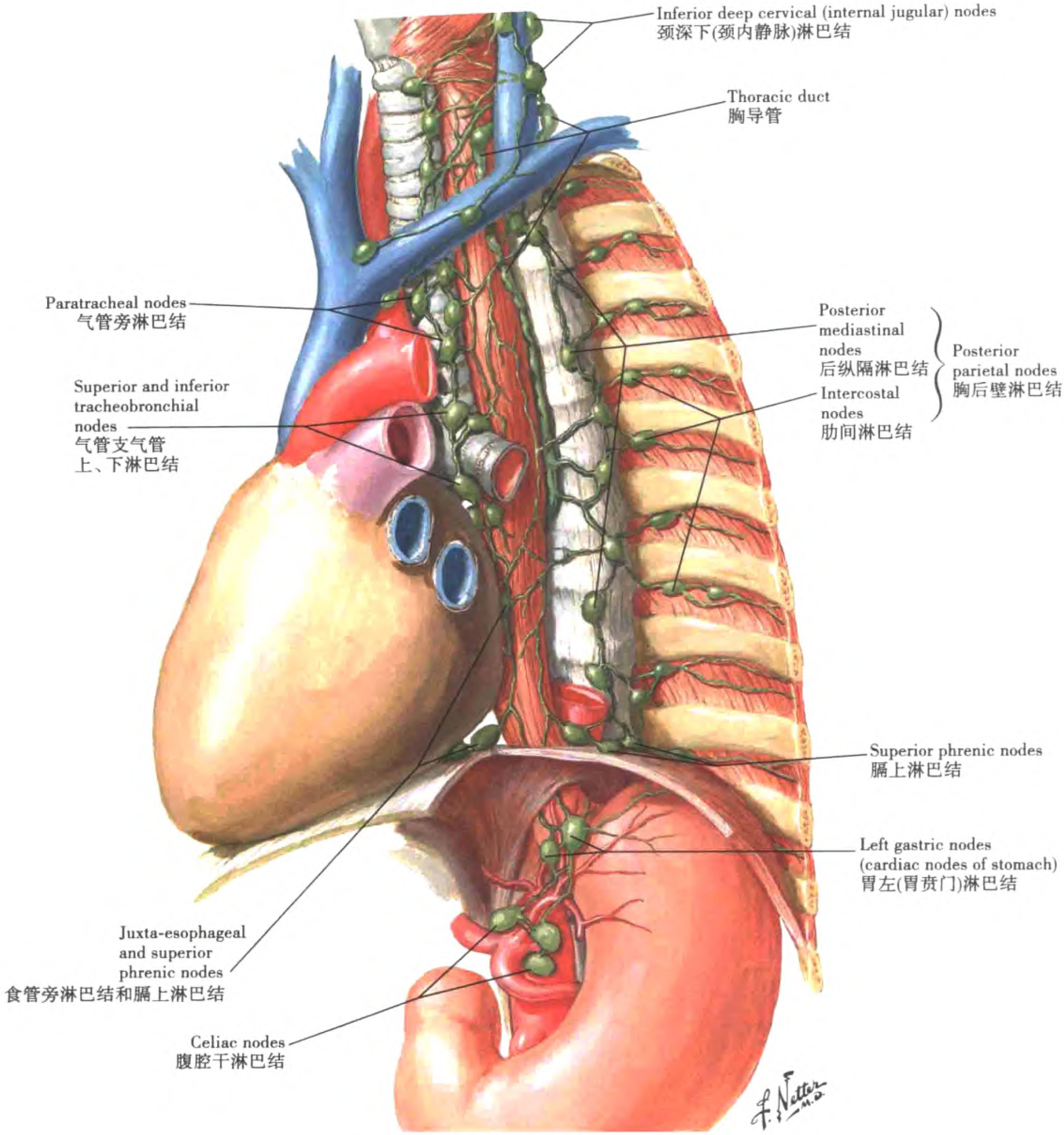

Longitudinal esophageal muscle
食管纵行肌
Esophageal mucosa
食管黏膜
Circular esophageal muscle
食管环形肌
Submucosa
黏膜下层
Gradual slight muscular thickening
肌层逐渐增厚
Phrenico-esophageal ligament (ascending or upper limb)
膈食管韧带(升支或上支)
Supradiaphragmatic fascia
膈上筋膜
Diaphragm
膈
Diaphragm
膈
Infradiaphragmatic (transversalis) fascia
膈下(横)筋膜
Phrenico-esophageal ligament
(descending limb)
膈食管韧带(降支)
Subhiatal fat ring
食管裂孔疝下脂肪环
Peritoneum 腹膜
Cardiac notch 贲门切迹
Zigzag (Z) line: juncture of
esophageal and gastric mucosa
Z 线：食管胃黏膜移行处
Cardiac part (cardia) of stomach
胃贲门部(贲门)
Gastric folds (rugae)
胃皱襞
Longitudinal esophageal muscle (cut)
食管纵行肌(切除)
Circular esophageal muscle (shown here as spiral)
食管环形肌(此处呈螺旋状)
Cardiac notch 贲门切迹
Fundus of stomach
胃底
Collar of Helvetius
Helvetius 领
Window cut in middle circular muscle layer of stomach
切去胃中环形肌层的窗口
Innermost oblique muscle layer of stomach
(forms sling)
胃的最内层斜肌(形成悬带)
Outer longitudinal muscle layer of stomach (cut)
胃的外纵行肌层(切除)
F. Netter M.D.

参见图 204,284


Esophageal branch of
Inferior thyroid artery
甲状腺下动脉食管支
Common carotid artery
颈总动脉
Subclavian artery
锁骨下动脉
Esophageal branch of 甲状腺下动脉食管支
Inferior thyroid artery 甲状腺下动脉
Cervical part of esophagus 食管颈部
Thyrocervical trunk 甲状颈干
Subclavian artery 锁骨下动脉
Vertebral artery 椎动脉
Internal thoracic artery 胸廓内动脉
Common carotid artery 颈总动脉
Brachiocephalic trunk 头臂干
Trachea 气管
Arch of aorta 主动脉弓
3rd right posterior intercostal artery
右第 3 肋间后动脉
Right bronchial artery
右支气管动脉
Superior left bronchial artery
左上支气管动脉
Esophageal branch of right bronchial artery
右支气管动脉食管支
Inferior left bronchial artery and esophageal branch
左下支气管动脉和食管支
Thoracic (descending) aorta
胸主(降)动脉
Esophageal branches of thoracic aorta
胸主动脉食管支
Thoracic part of esophagus
食管胸部
Abdominal part of esophagus
食管腹部
Stomach
胃
Diaphragm
膈
F. Netter M.D.
Esophageal branch of left gastric artery
胃左动脉食管支
Left gastric artery 胃左动脉
Celiac trunk
腹腔干
Inferior phrenic arteries
膈下动脉



Submucosal venous plexus
黏膜下静脉丛



Inferior deep cervical (internal jugular) nodes
颈深下(颈内静脉)淋巴结
Thoracic duct
胸导管
Paratracheal nodes
气管旁淋巴结
Posterior mediastinal nodes
后纵隔淋巴结
Posterior parietal nodes
胸后壁淋巴结
Superior and inferior tracheobronchial nodes
气管支气管上、下淋巴结
Intercostal nodes
肋间淋巴结
Superior phrenic nodes
膈上淋巴结
Left gastric nodes (cardiac nodes of stomach)
胃左(胃贲门)淋巴结
Juxta-esophageal and superior phrenic nodes
食管旁淋巴结和膈上淋巴结
Celiac nodes
腹腔干淋巴结
F. Netter M.D.

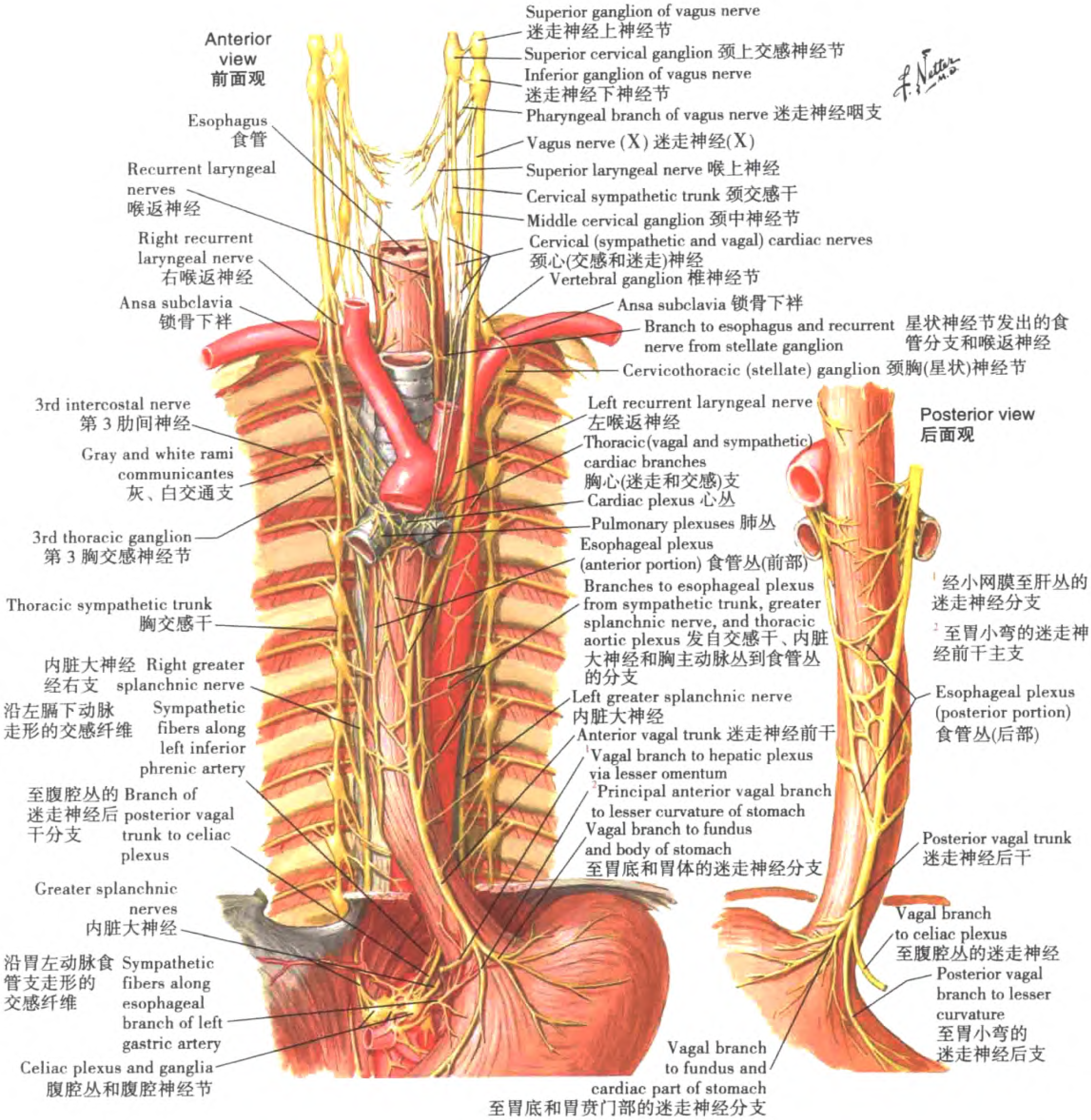
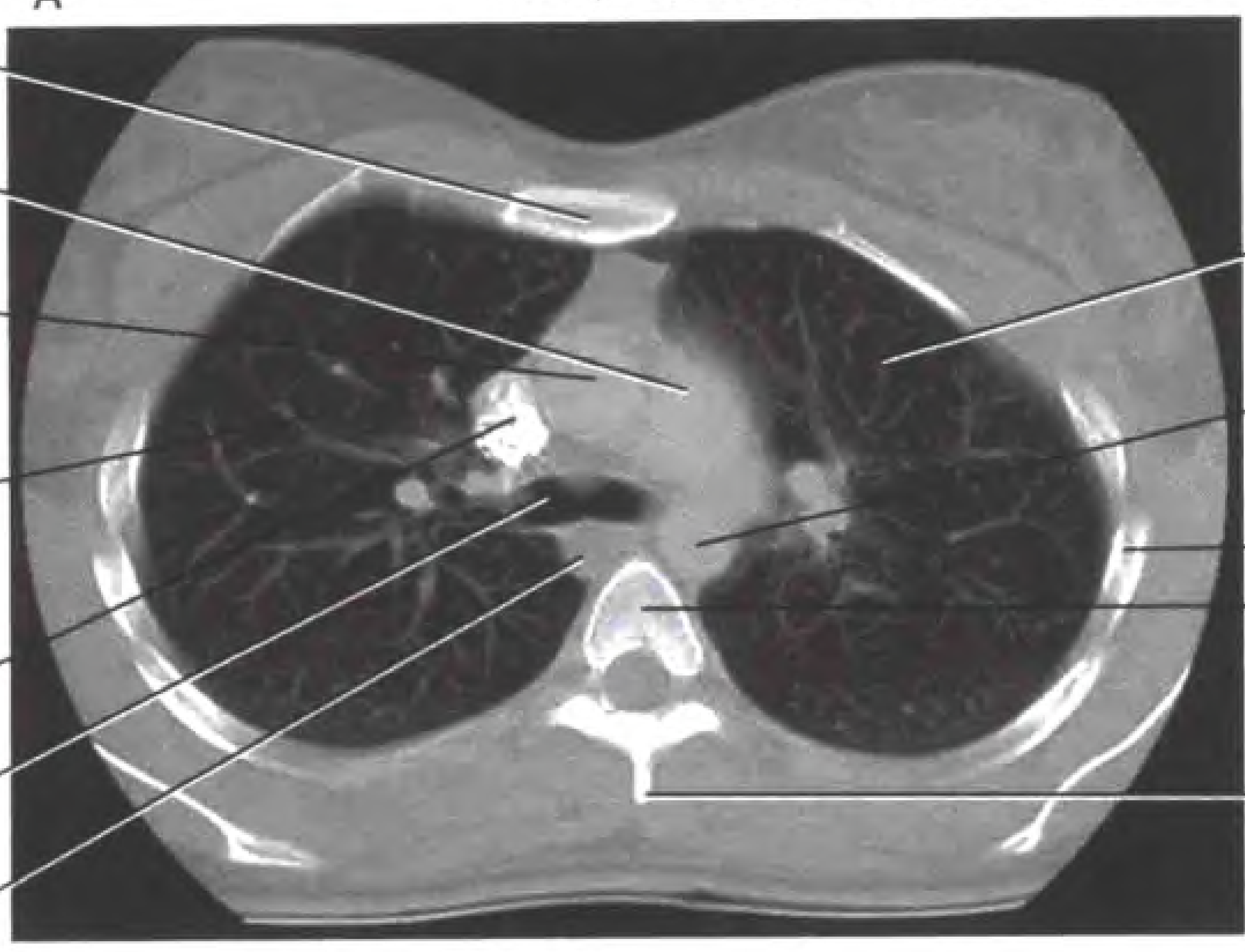

Anterior view
前面观
Superior ganglion of vagus nerve
迷走神经上神经节
Superior cervical ganglion 颈上交感神经节
Inferior ganglion of vagus nerve
迷走神经下神经节
Pharyngeal branch of vagus nerve 迷走神经咽支
Vagus nerve (X) 迷走神经(X)
Superior laryngeal nerve 喉上神经
Cervical sympathetic trunk 颈交感干
Middle cervical ganglion 颈中神经节
Cervical (sympathetic and vagal) cardiac nerves
颈心(交感和迷走)神经
Vertebral ganglion 椎神经节
Ansa subclavia 锁骨下袢
Branch to esophagus and recurrent nerve from stellate ganglion
星状神经节发出的食管分支和喉返神经
Cervicothoracic (stellate) ganglion 颈胸(星状)神经节
Esophagus
食管
Recurrent laryngeal nerves
喉返神经
Right recurrent laryngeal nerve
右喉返神经
Ansa subclavia
锁骨下袢
3rd intercostal nerve
第3肋间神经
Gray and white rami communicantes
灰、白交通支
3rd thoracic ganglion
第3胸交感神经节
Thoracic sympathetic trunk
胸交感干
内脏大神经右支 Right greater splanchnic nerve
沿左膈下动脉走形的交感纤维 Sympathetic fibers along left inferior phrenic artery
至腹腔丛的迷走神经后干分支 Branch of posterior vagal trunk to celiac plexus
Greater splanchnic nerves
内脏大神经
沿胃左动脉食管支走形的交感纤维 Sympathetic fibers along esophageal branch of left gastric artery
Celiac plexus and ganglia
腹腔丛和腹腔神经节
Left recurrent laryngeal nerve
左喉返神经
Thoracic (vagal and sympathetic) cardiac branches
胸心(迷走和交感)支
Cardiac plexus 心丛
Pulmonary plexuses 肺丛
Esophageal plexus (anterior portion) 食管丛(前部)
Branches to esophageal plexus from sympathetic trunk, greater splanchnic nerve, and thoracic aortic plexus 发自交感干、内脏大神经和胸主动脉丛到食管丛的分支
Left greater splanchnic nerve
内脏大神经
Anterior vagal trunk 迷走神经前干
[1] Vagal branch to hepatic plexus via lesser omentum
[2] Principal anterior vagal branch to lesser curvature of stomach
Vagal branch to fundus and body of stomach
至胃底和胃体的迷走神经分支
Vagal branch to fundus and cardiac part of stomach
至胃底和胃贲门部的迷走神经分支
Posterior view
后面观
[1] 经小网膜至肝丛的迷走神经分支
[2] 至胃小弯的迷走神经前干主支
Esophageal plexus (posterior portion)
食管丛(后部)
Posterior vagal trunk
迷走神经后干
Vagal branch to celiac plexus
至腹腔丛的迷走神经
Posterior vagal branch to lesser curvature
至胃小弯的迷走神经后支

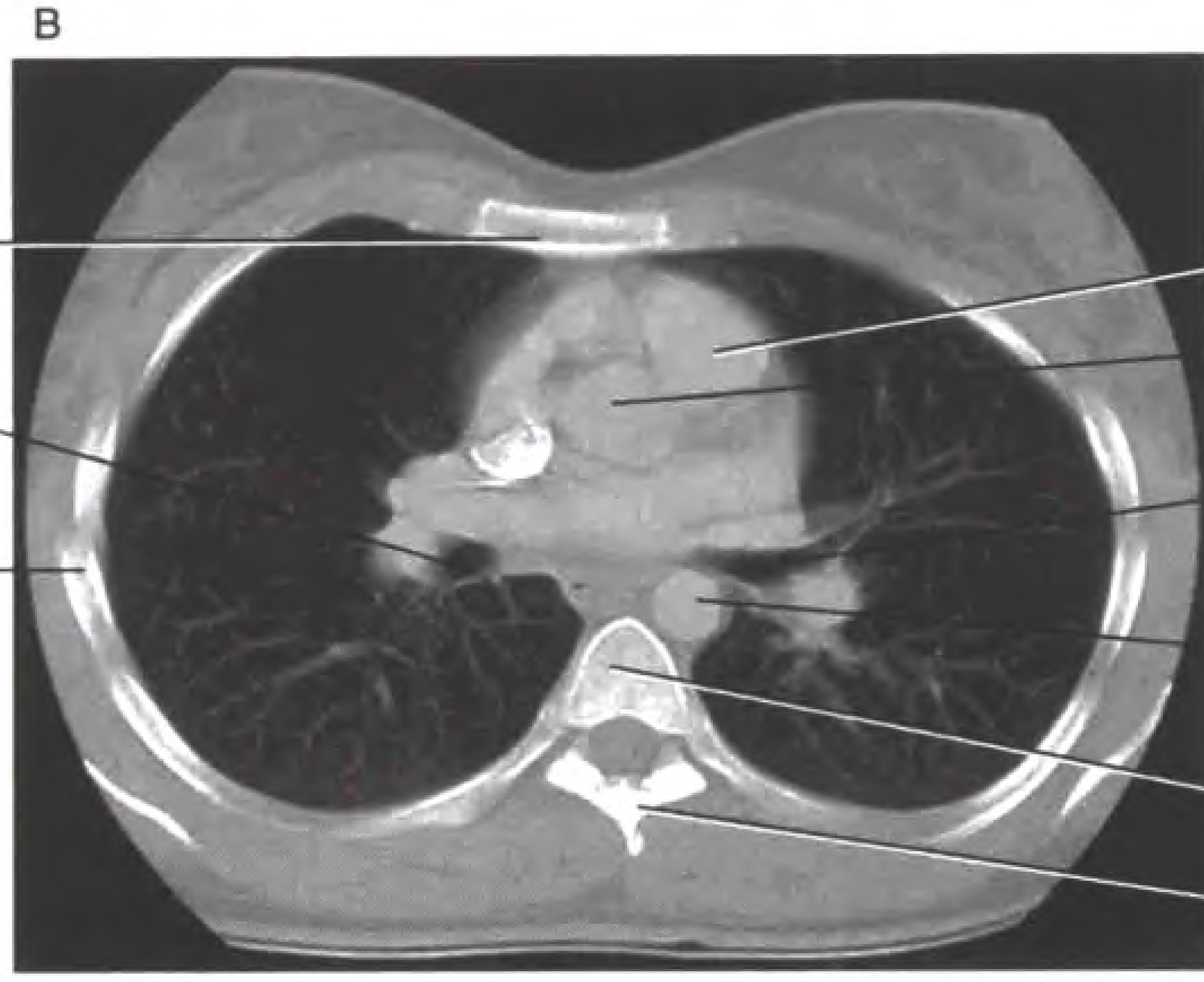
图 236 纵隔

Series of chest axial CT images from superior (A) to inferior (C)
从 A(上) 到 C(下) 连续胸部轴位 CT 影像

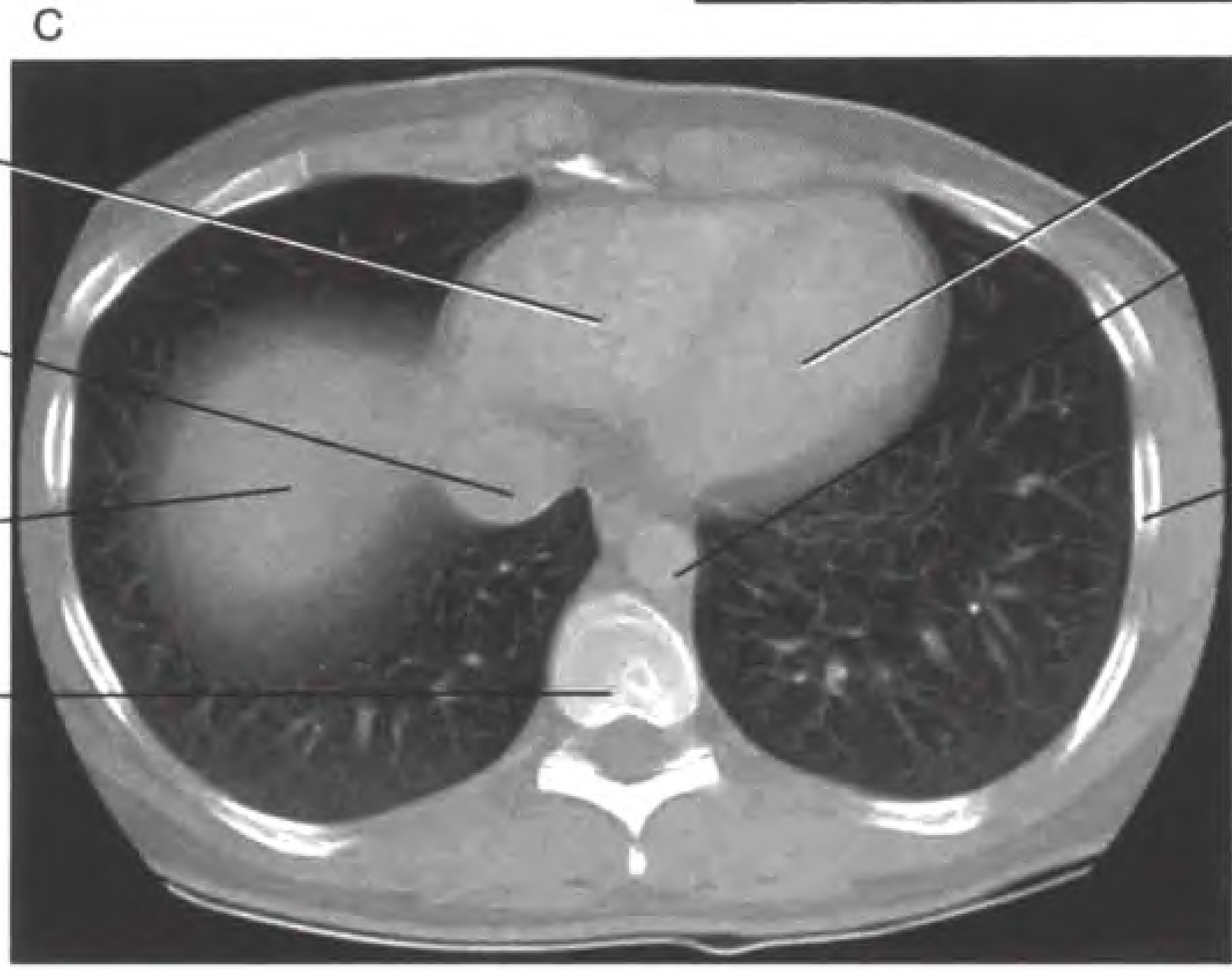
A

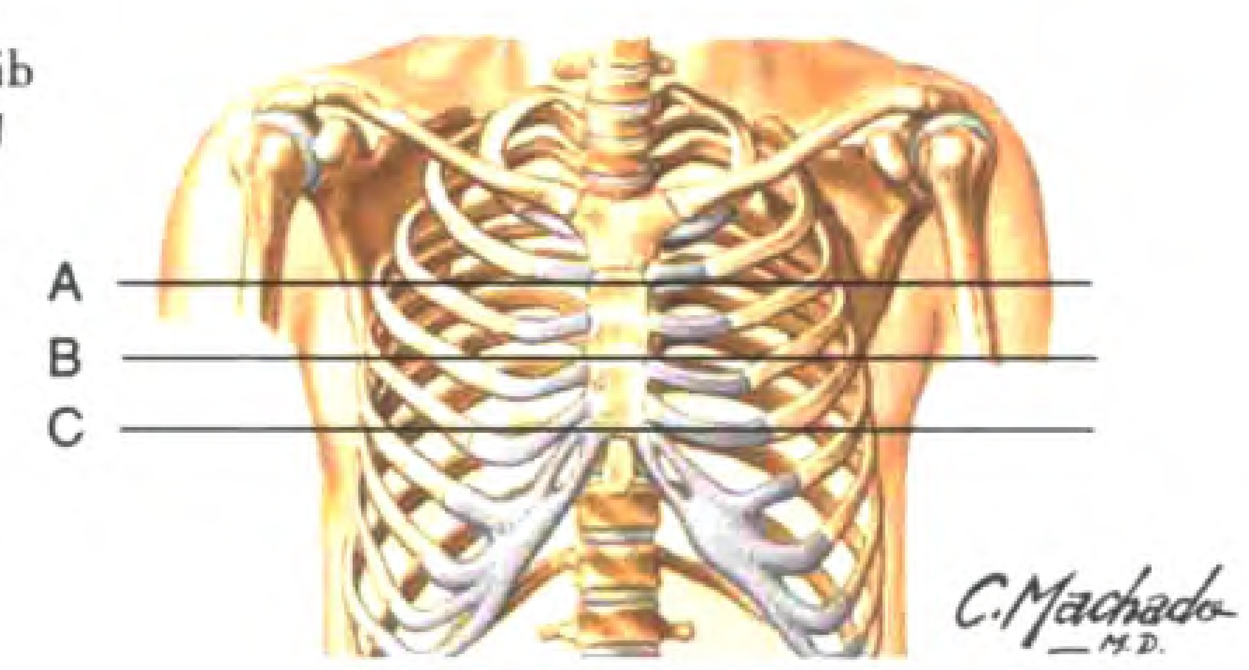


B

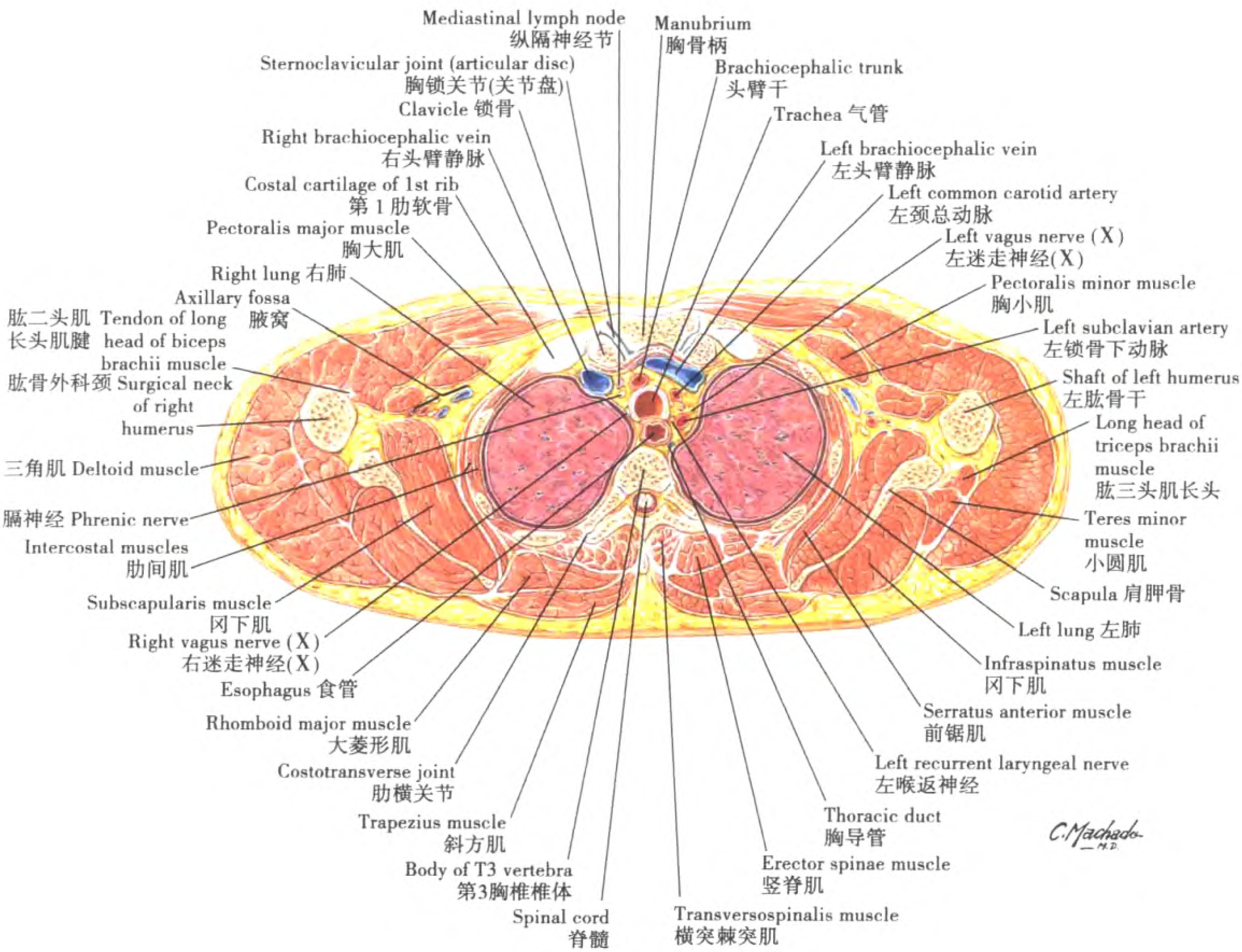


C



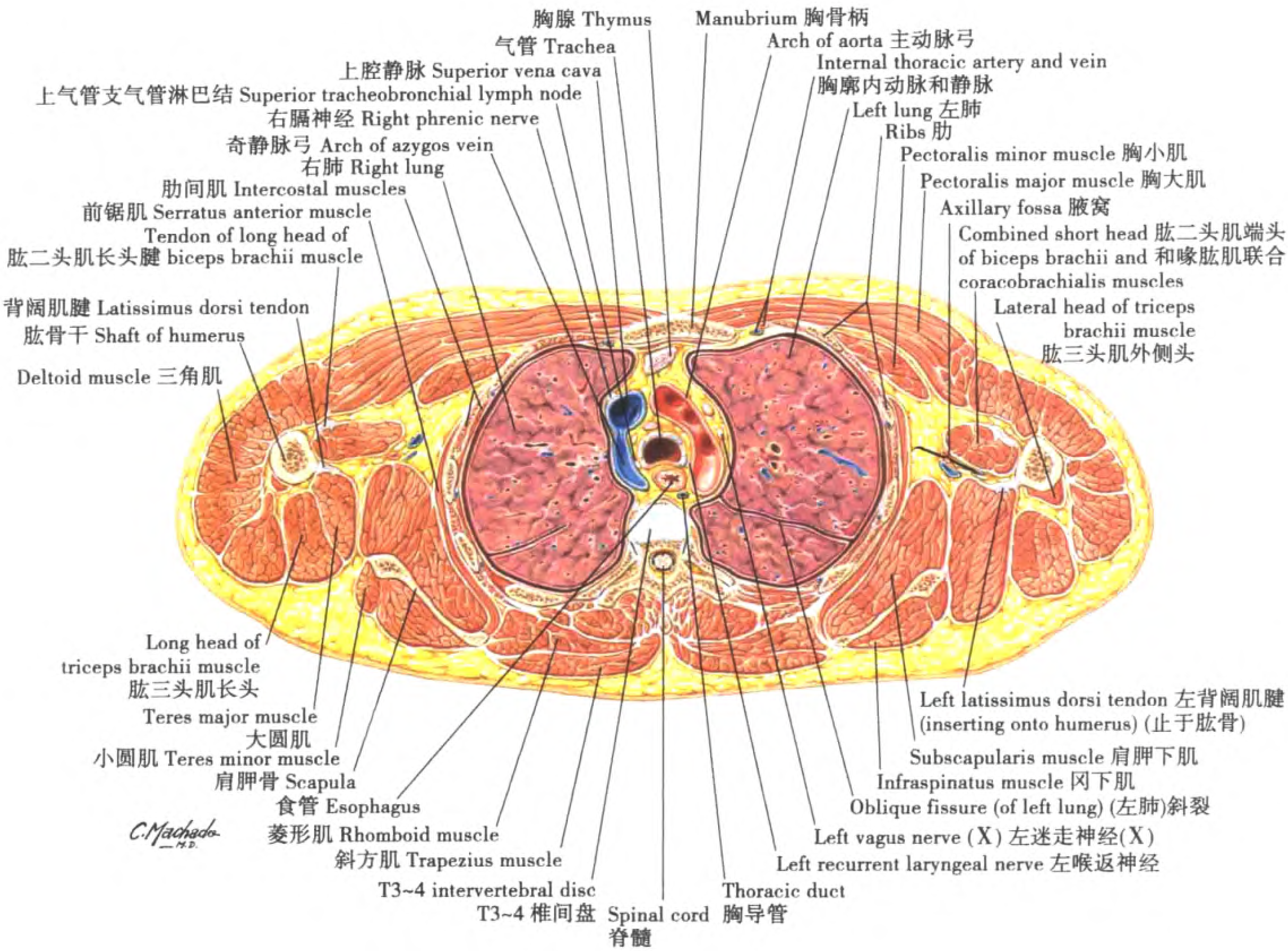




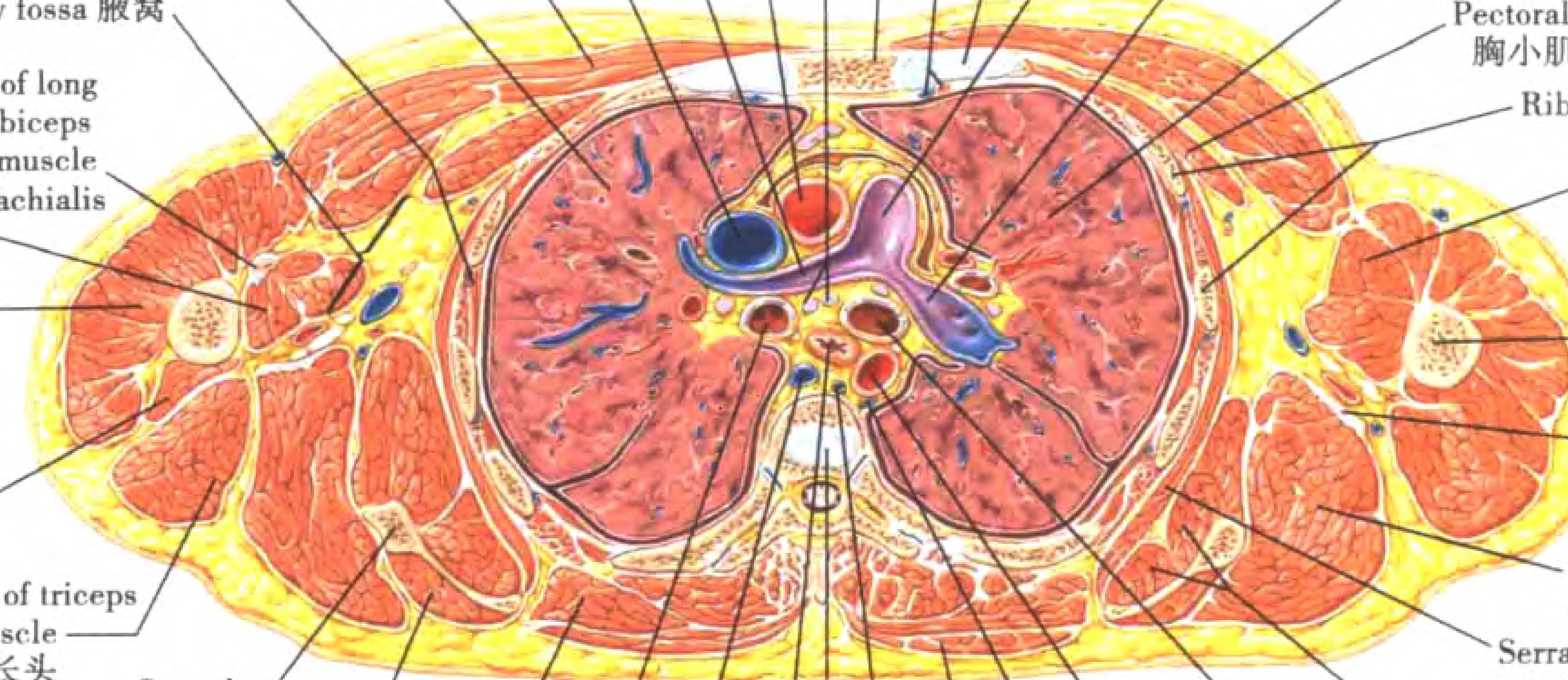

Mediastinal lymph node
纵隔神经节
Manubrium
胸骨柄
Sternoclavicular joint (articular disc)
胸锁关节(关节盘)
Brachiocephalic trunk
头臂干
Clavicle 锁骨
Trachea 气管
Right brachiocephalic vein
右头臂静脉
Left brachiocephalic vein
左头臂静脉
Costal cartilage of 1st rib
第 1 肋软骨
Left common carotid artery
左颈总动脉
Pectoralis major muscle
胸大肌
Left vagus nerve (X)
左迷走神经(X)
Right lung 右肺
Pectoralis minor muscle
胸小肌
Axillary fossa
腋窝
肱二头肌长头肌腱 Tendon of long head of biceps brachii muscle
Left subclavian artery
左锁骨下动脉
Shaft of left humerus
左肱骨干
肱骨外科颈 Surgical neck of right humerus
Long head of triceps brachii muscle
肱三头肌长头
三角肌 Deltoid muscle
膈神经 Phrenic nerve
Teres minor muscle
小圆肌
Intercostal muscles
肋间肌
Scapula 肩胛骨
Subscapularis muscle
冈下肌
Left lung 左肺
Right vagus nerve (X)
右迷走神经(X)
Infraspinatus muscle
冈下肌
Esophagus 食管
Serratus anterior muscle
前锯肌
Rhomboid major muscle
大菱形肌
Left recurrent laryngeal nerve
左喉返神经
Costotransverse joint
肋横关节
Thoracic duct
胸导管
Trapezius muscle
斜方肌
C. Machado M.D.
Erector spinae muscle
竖脊肌
Body of T3 vertebra
第3胸椎椎体
Spinal cord
脊髓
Transversospinalis muscle
横突棘突肌

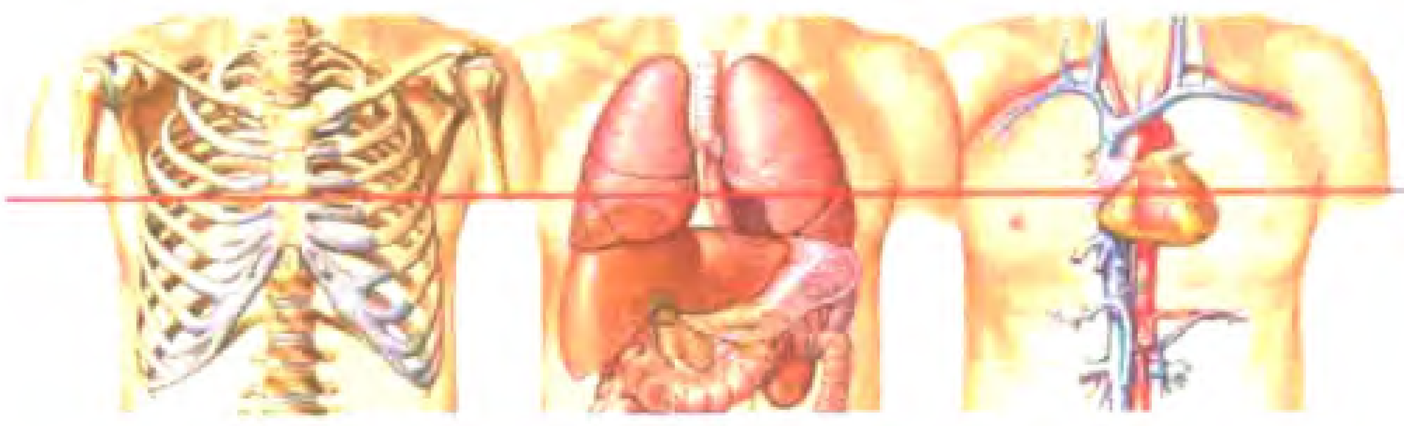
第 3 ~ 4 胸椎盘间隙水平胸部断面







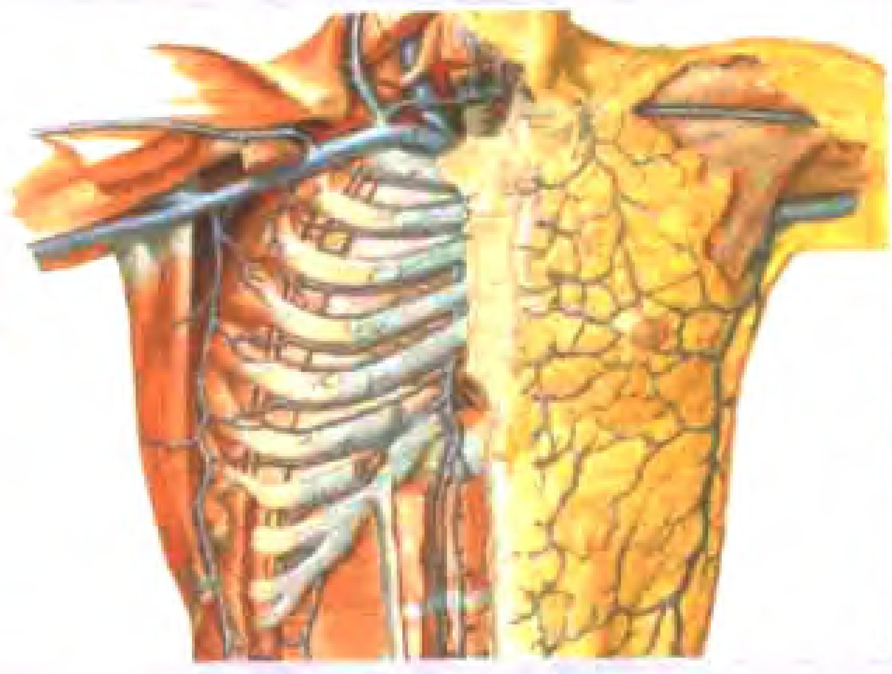
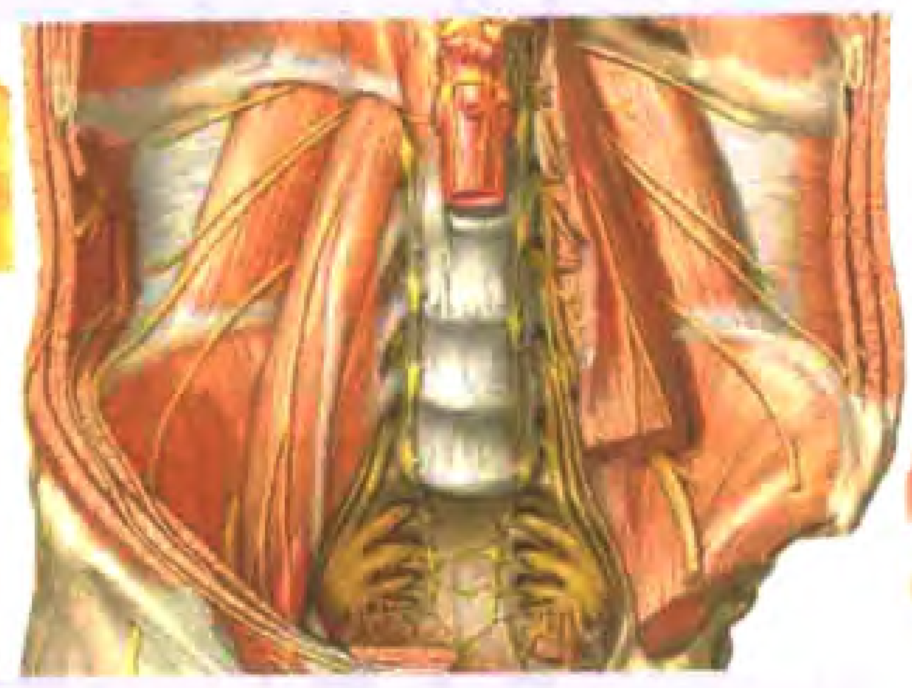

Inferior tracheobronchial lymph nodes
下气管支气管淋巴结
Ascending aorta
升主动脉
Right pulmonary artery
右肺动脉
Superior vena cava
上腔静脉
Pectoralis major muscle
胸大肌
Right lung
右肺
Intercostal muscles 肋间肌
Axillary fossa 腋窝
肱二头肌 Tendon of long
长头肌腱 head of biceps
brachii muscle
喙肱肌 Coracobrachialis
muscle
Deltoid muscle
三角肌
Lateral
head of triceps
brachii muscle
肱三头肌外侧头
Long head of triceps
brachii muscle
肱三头肌长头
Scapula
肩胛骨
Infraspinatus muscle
冈下肌
Rhomboid major muscle
大菱形肌
Right main bronchus
右主支气管
Azygos vein
奇静脉
Esophagus
食管
T4~5 intervertebral disc
第 4~5 椎间盘
Thoracic duct
胸导管
Trapezius muscle
斜方肌
Accessory hemi-azygos vein
副半奇静脉
Descending aorta
降主动脉
Left main bronchus
左主支气管
Subscapularis muscle
肩胛下肌
Serratus anterior
muscle 前锯肌
Teres major
muscle 大圆肌
Latissimus
dorsi tendon
背阔肌腱
Shaft of
humerus
肱骨干
Long head
of biceps
brachii muscle
肱二头肌长头
Ribs 肋
Pectoralis minor muscle
胸小肌
Left lung 左肺
Left pulmonary artery
左肺动脉
Pulmonary trunk
肺动脉干
2nd costal cartilage
第 2 肋软骨
Internal thoracic artery and vein
胸廓内动脉和静脉
Manubriosternal junction
柄胸结合
C.Machado M.D.




Sternum (body)
胸骨(体)
Orifice of tricuspid valve
三尖瓣口
Right ventricle
右心室
Internal thoracic artery and vein
胸廓内动脉和静脉
Left atrium
左心房
Anterior interventricular sulcus
前室间沟
Right atrium
右心房
Pectoralis major muscle
胸大肌
Interatrial septum
房间隔
Apex of heart
心尖
Superior vena cava
上腔静脉
Interventricular septum
室间隔
Right inferior pulmonary vein
右上肺静脉
Papillary muscle
乳头肌
Esophagus
食管
Left ventricle
左心室
Azygos vein
奇静脉
Leaflet of mitral valve
二尖瓣瓣叶
Serratus anterior muscle
前锯肌
Coronary sinus
冠状窦
Latissimus dorsi muscle
背阔肌
Oblique pericardial sinus
心包斜窦
Inferior angle of scapula
肩胛下角
Descending aorta
降主动脉
Thoracic duct
胸导管
Triangle of auscultation
听诊三角
Head of 7th rib
第7肋头
Neck of 7th rib
第7肋颈
Zygapophysial (facet) joint
关节突关节
Trapezius muscle
斜方肌
Body of T7 vertebra
第7胸椎椎体
C. Machado M.D.

骨骼肌	近端附着点（起点）	远端附着点（止点）	神经支配	主要作用	动脉血供	肌群
膈	剑突下 下 6 对肋软骨，第 1 ~ 3 腰椎	与中心腱会合	膈神经	吸气时将中心腱向下向前下方拉	心包膈动脉，肌膈动脉，膈上和膈下动脉	**腹后壁**
肋间外肌	肋骨下缘	肋骨上缘 在肋骨起点下方	肋间神经	在吸气和呼气时维持肋间隙，吸气时提升肋骨	肋间后动脉，肋间后动脉侧副支，肋颈干，胸廓内动脉的肋间前支，肌膈动脉	胸壁
肋间最内肌	肋骨下缘	肋骨上缘 在肋骨起点下方	肋间神经	提升肋骨	肋间前动脉的肌支，肋间后动脉的肌支，胸廓内动脉和肌膈动脉的肋间支，肋颈干分支	胸壁
肋间内肌	肋骨下缘	肋软骨和起点上方肋骨的肋沟缘	肋间神经	防止吸气和呼气时肋间隙向外和向内的运动，用力呼气时使肋骨下降	肋间前动脉的肌支，肋间后动脉的肌支，胸廓内动脉和肌膈动脉的肋间支，肋颈干分支	胸壁
肋提肌	第 7 颈椎和第 1 ~ 11 胸椎的横突	下方肋 在肋结节和肋角之间	下段胸神经的背支	提升肋骨	肋间后动脉	胸壁
胸大肌	锁骨胸骨端，胸骨至第 7 肋，真肋肋软骨，腹外斜肌腱膜	肱骨结节间沟外侧唇	胸内侧神经和胸外侧神经	屈和内收上臂，内旋上臂	胸-肩峰动脉的胸肌支，胸廓内动脉的穿支	**胸肌/腋窝区**
胸小肌	第 3 ~ 5 肋的上缘外面	肩岬骨喙突	胸内侧神经	下降肩胛骨外侧角，伸展肩胛骨	胸-肩峰动脉的胸肌支，胸外侧动脉的肋间支	**胸肌/腋窝区**
前锯肌	第 8 ~ 9 肋上缘的侧面	肩胛骨内侧缘的肋骨面	胸长神经	伸展肩胛骨，使肩胛骨和胸壁相贴	胸外侧动脉	**胸肌/腋窝区**
后下锯肌	第 11 胸椎 ~ 第 2 腰椎的棘突	第 9 ~ 12 肋的下方	下段胸神经的腹侧支	下降肋骨	肋间后动脉	**背部表层**
后上锯肌	项韧带，第 7 颈椎 ~ 第 3 胸椎的棘突	第 2 ~ 4 肋的上方	上段胸神经的腹侧支	提升肋骨	肋间后动脉	**背部表层**
肋下肌	接近肋角的下肋内侧面	第 2 肋上缘或第 3 肋上缘	肋间神经	下降肋骨	肋间后动脉，肌膈动脉	胸壁
胸横肌	第 2 ~ 6 肋软骨的内侧面	胸骨下段的后面	肋间神经	降肋骨和肋软骨	肋间前动脉，胸廓内动脉	胸壁

在人体中，骨骼肌的脊神经支配、起止点和主要作用的变异十分常见。因此，各书中描述略有不同，这种解剖学上的变异是正常现象。


4 腹部

局部解剖

图 242

242 腹部：表面解剖

体壁

图 243-262

243 腹部的骨架
244 腹部分区和平面
245 腹前壁：浅层解剖
246 腹前壁：中层解剖
247 腹前壁：深层解剖
248 腹直肌鞘：横断面
249 腹前壁：内面观
250 腹后外侧壁
251 腹前壁的动脉
252 腹前壁的静脉
253 腹前壁的神经
254 胸腹壁的神经
255 腹股沟区：切开
256 腹股沟管和精索
257 股鞘和精索
258 腹后壁：内面观
259 腹后壁的动脉
260 腹后壁的静脉
261 腹后壁的淋巴管和淋巴结
262 腹后壁的神经

腹部

腹膜腔

图 263-268

263 大网膜和腹腔脏器
264 小肠系膜的连属关系
265 小肠系膜的连属关系(续)
266 网膜囊:胃翻向上
267 网膜囊:横断面
268 腹后壁腹膜

内脏(消化管)

图 269-276

269 胃原位
270 胃的黏膜
271 十二指肠(原位)
272 十二指肠的黏膜和肌层
273 回盲部
274 回盲部(续)
275 阑尾
276 大肠的黏膜和肌层

内脏(附属器官)

图 277-282

277 肝的表面解剖和肝床
278 肝(原位):血管和肝管系统
279 肝的组织结构:示意图
280 胆囊、肝外胆道和胰管
281 胰(原位)
282 脾

内脏脉管系统

图 283-296

283 胃、肝和脾的动脉
284 肝、胰、十二指肠和脾的动脉
285 腹腔干的动脉血管造影
286 十二指肠和胰头的动脉
287 小肠的动脉
288 大肠的动脉
289 胃、十二指肠、胰和脾的静脉
290 小肠的静脉
291 大肠的静脉
292 肝门静脉的属支:门腔静脉的吻合
293 胃的淋巴管和淋巴结
294 胰的淋巴管和淋巴结
295 小肠的淋巴管和淋巴结
296 大肠的淋巴管和淋巴结

神经支配

图 297-307

297 腹部的自主神经和神经节
298 胃和十二指肠的自主神经支配
299 胃和十二指肠的自主神经支配(续)
300 胃和十二指肠的自主神经支配:示意图
301 小肠的自主神经支配
302 大肠的自主神经支配
303 小肠和大肠的自主神经支配:示意图
304 自主神经反射通路:示意图
305 肠壁内的自主神经丛
306 肝、胆管的自主神经分布:示意图
307 胰的自主神经分布:示意图

肾和肾上腺

图 308-320

308 肾(原位):前面观
309 肾(原位):后面观
310 肾的动脉和静脉(原位)
311 肾的大体结构
312 肾内动脉和肾段
313 输尿管
314 输尿管和膀胱的动脉
315 肾筋膜

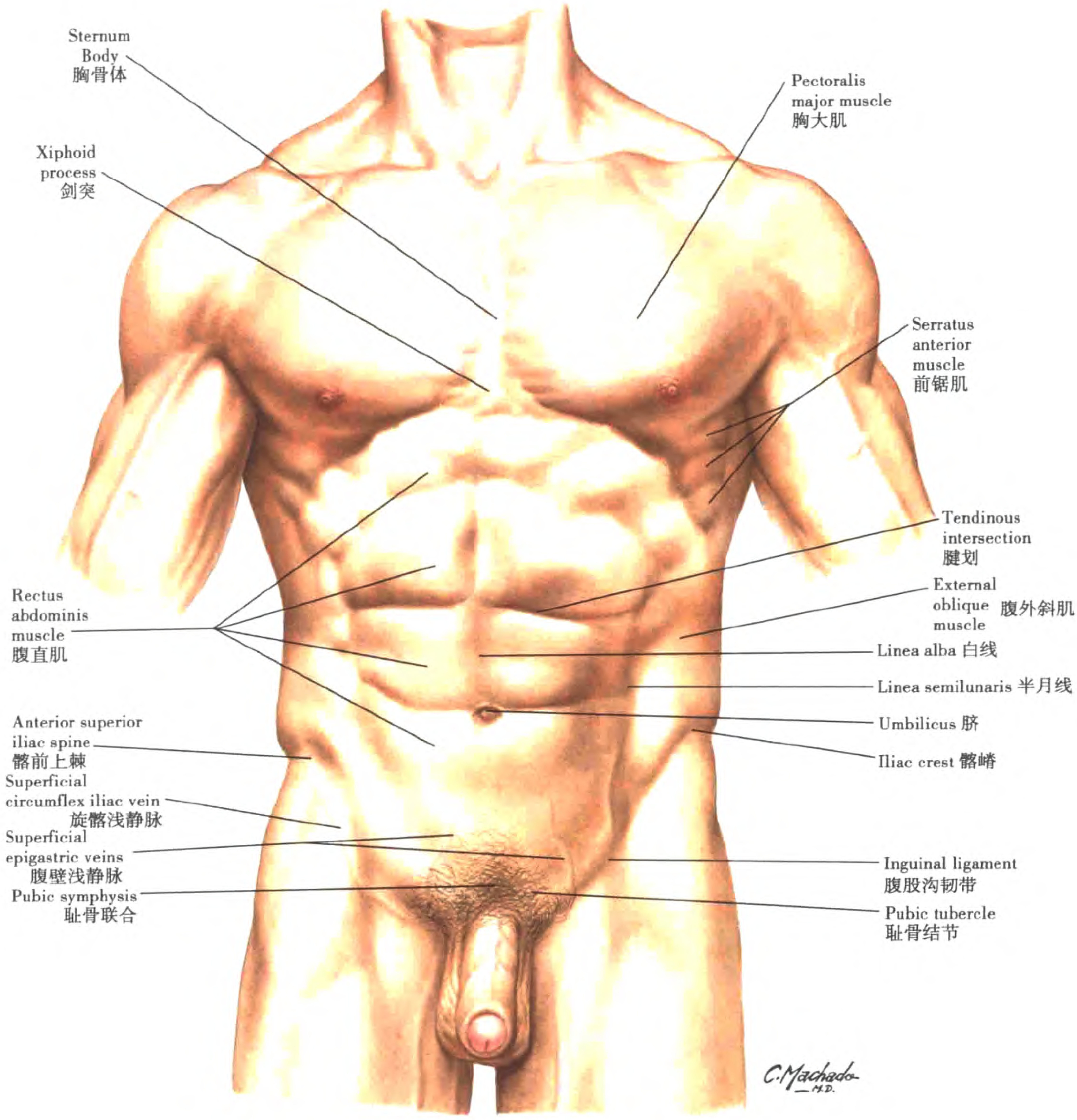
316 肾和膀胱的淋巴管和淋巴结
317 肾、输尿管和膀胱的自主神经
318 肾和输尿管上部的神经分布:示意图
319 肾上腺的自主神经:解剖及示意图
320 肾上腺的动脉和静脉(原位)

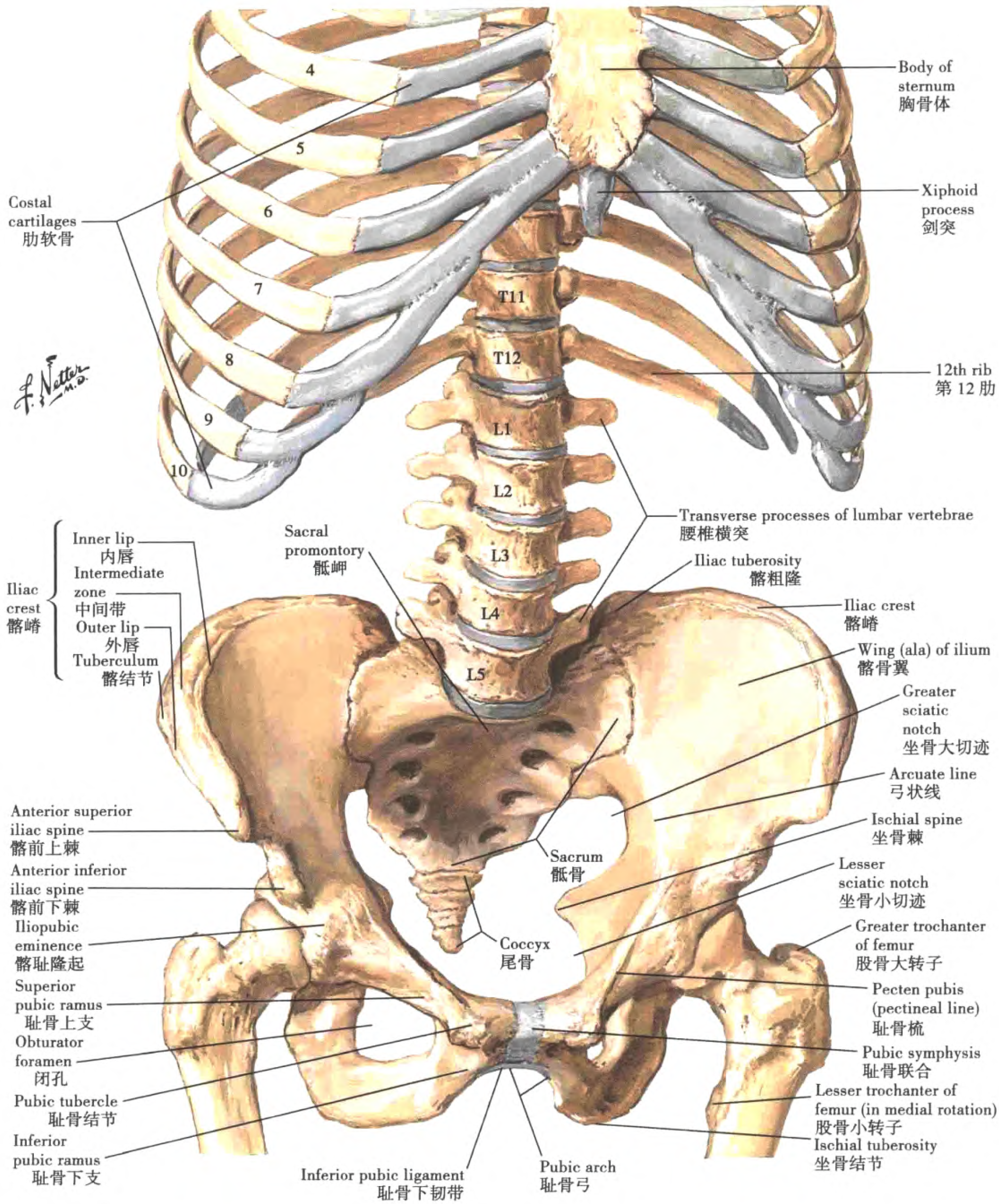
断层解剖

图 321-328

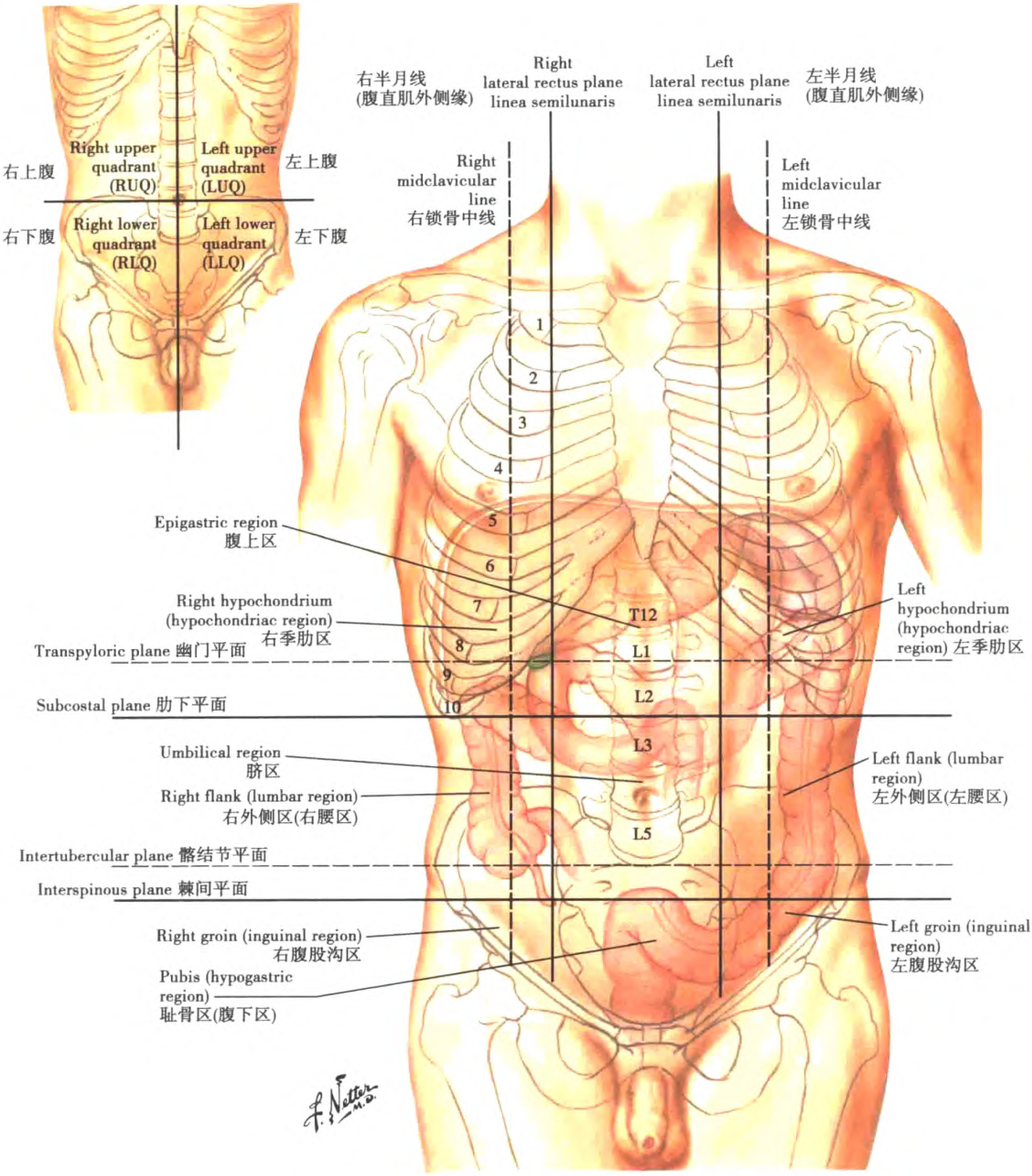
321 腹壁和内脏:正中矢状断面
322 腹部扫描成像:轴位 CT
323 腹部扫描成像:轴位 CT(续)
324 横断面:T10 平面,胃食管结合部
325 横断面:T12 平面,剑突下部
326 横断面:T12 ~ L1 椎间盘平面
327 横断面:L1 ~2 椎间盘平面
328 横断面:L3 ~4 平面

肌肉总表

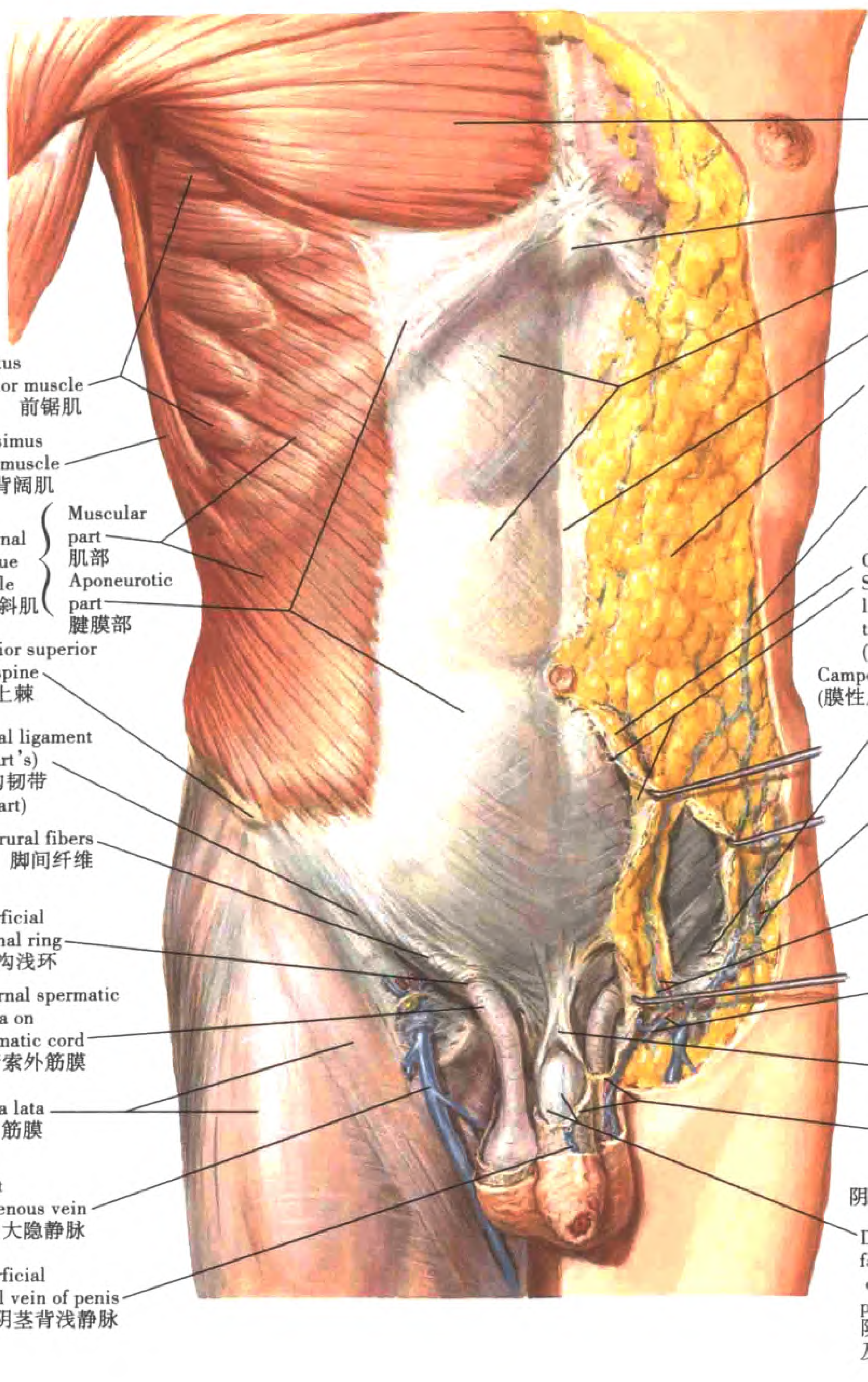

Sternum
Body
胸骨体
Xiphoid
process
剑突
Pectoralis
major muscle
胸大肌
Serratus
anterior
muscle
前锯肌
Tendinous
intersection
腱划
Rectus
abdominis
muscle
腹直肌
External
oblique
muscle
腹外斜肌
Linea alba 白线
Linea semilunaris 半月线
Umbilicus 脐
Anterior superior
iliac spine
髂前上棘
Iliac crest 髂嵴
Superficial
circumflex iliac vein
旋髂浅静脉
Superficial
epigastric veins
腹壁浅静脉
Inguinal ligament
腹股沟韧带
Pubic symphysis
耻骨联合
Pubic tubercle
耻骨结节
C.Machado
M.D.



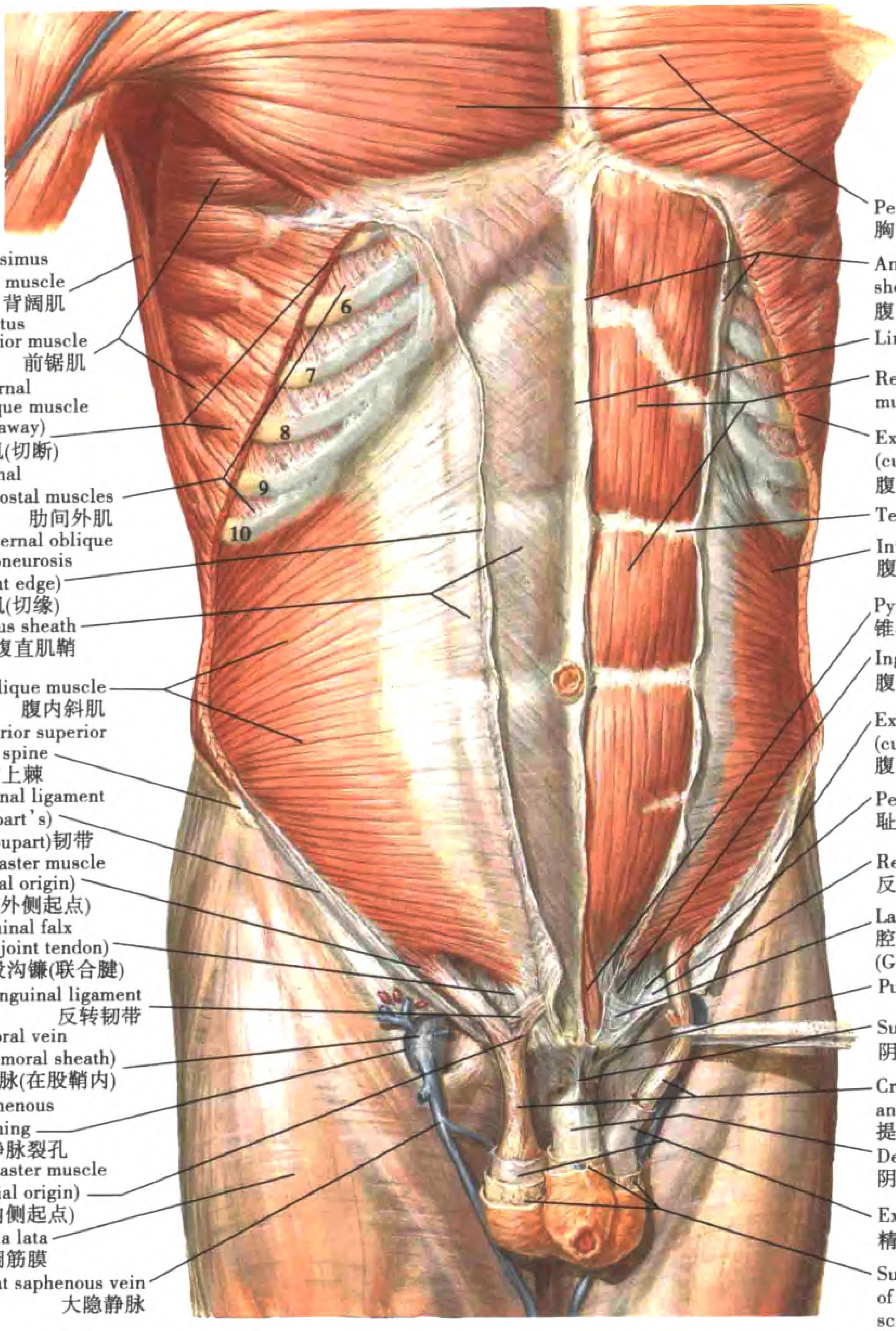
4
5
6
7
8
9
10
T11
T12
L1
L2
L3
L4
L5
Body of sternum 胸骨体
Xiphoid process 剑突
12th rib 第 12 肋
Costal cartilages 肋软骨
Transverse processes of lumbar vertebrae 腰椎横突
Iliac tuberosity 髂粗隆
Iliac crest 髂嵴
Wing (ala) of ilium 髂骨翼
Greater sciatic notch 坐骨大切迹
Arcuate line 弓状线
Ischial spine 坐骨棘
Lesser sciatic notch 坐骨小切迹
Greater trochanter of femur 股骨大转子
Pecten pubis (pectineal line) 耻骨梳
Pubic symphysis 耻骨联合
Lesser trochanter of femur (in medial rotation) 股骨小转子
Ischial tuberosity 坐骨结节
Iliac crest 髂嵴
Inner lip 内唇
Intermediate zone 中间带
Outer lip 外唇
Tuberculum 髂结节
Sacral promontory 骶岬
Anterior superior iliac spine 髂前上棘
Anterior inferior iliac spine 髂前下棘
Iliopubic eminence 髂耻隆起
Superior pubic ramus 耻骨上支
Obturator foramen 闭孔
Pubic tubercle 耻骨结节
Inferior pubic ramus 耻骨下支
Sacrum 骶骨
Coccyx 尾骨
Inferior pubic ligament 耻骨下韧带
Pubic arch 耻骨弓

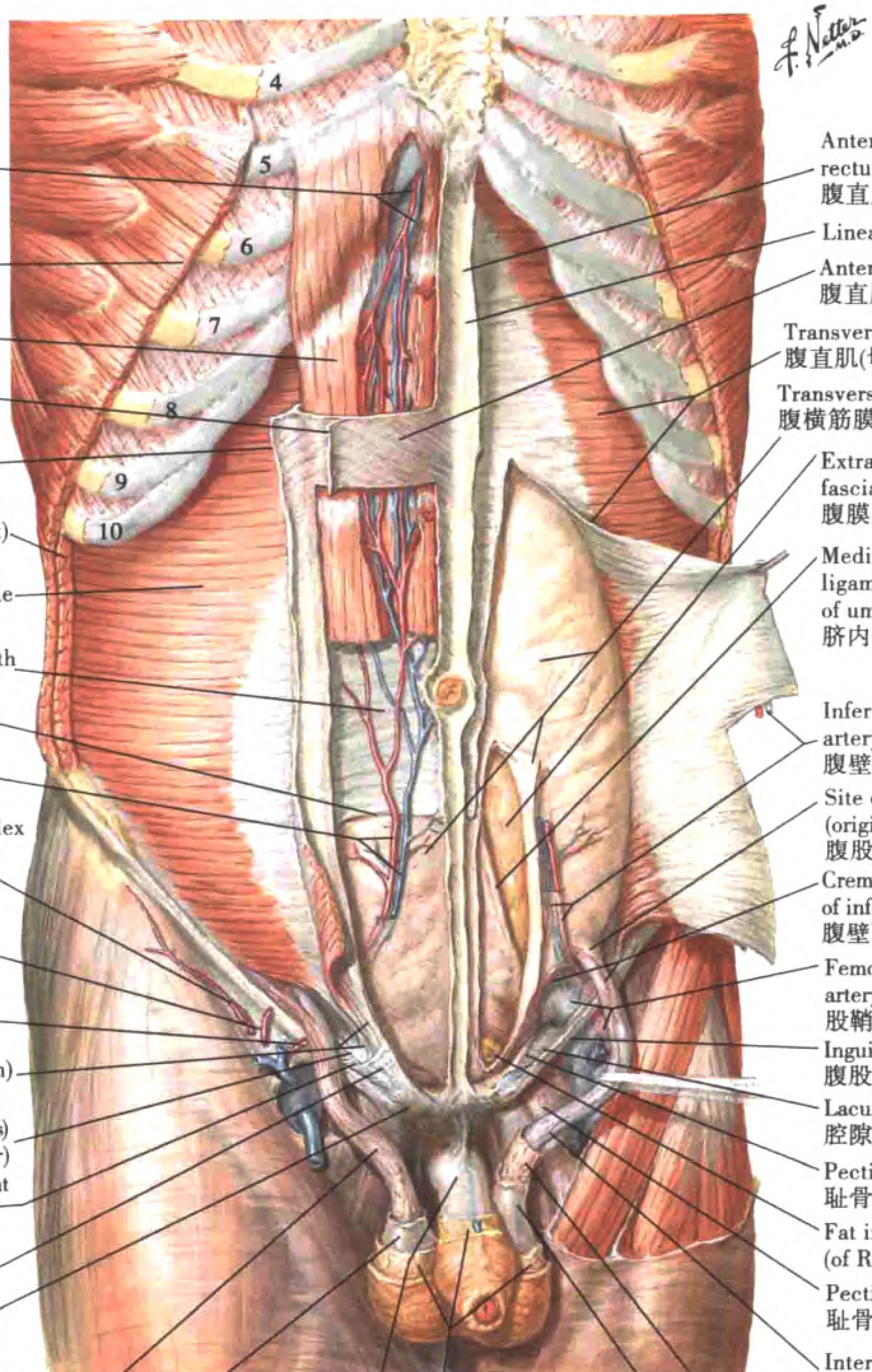

右上腹
Right upper quadrant (RUQ)
Left upper quadrant (LUQ)
左上腹
右下腹
Right lower quadrant (RLQ)
Left lower quadrant (LLQ)
左下腹
右半月线 (腹直肌外侧缘)
Right lateral rectus plane linea semilunaris
Left lateral rectus plane linea semilunaris
左半月线 (腹直肌外侧缘)
Right midclavicular line
右锁骨中线
Left midclavicular line
左锁骨中线
1
2
3
4
5
6
7
8
9
10
T12
L1
L2
L3
L5
Epigastric region
腹上区
Right hypochondrium (hypochondriac region)
右季肋区
Transpyloric plane 幽门平面
Subcostal plane 肋下平面
Left hypochondrium (hypochondriac region) 左季肋区
Umbilical region
脐区
Right flank (lumbar region)
右外侧区(右腰区)
Left flank (lumbar region)
左外侧区(左腰区)
Intertubercular plane 髂结节平面
Interspinous plane 棘间平面
Right groin (inguinal region)
右腹股沟区
Left groin (inguinal region)
左腹股沟区
Pubis (hypogastric region)
耻骨区(腹下区)

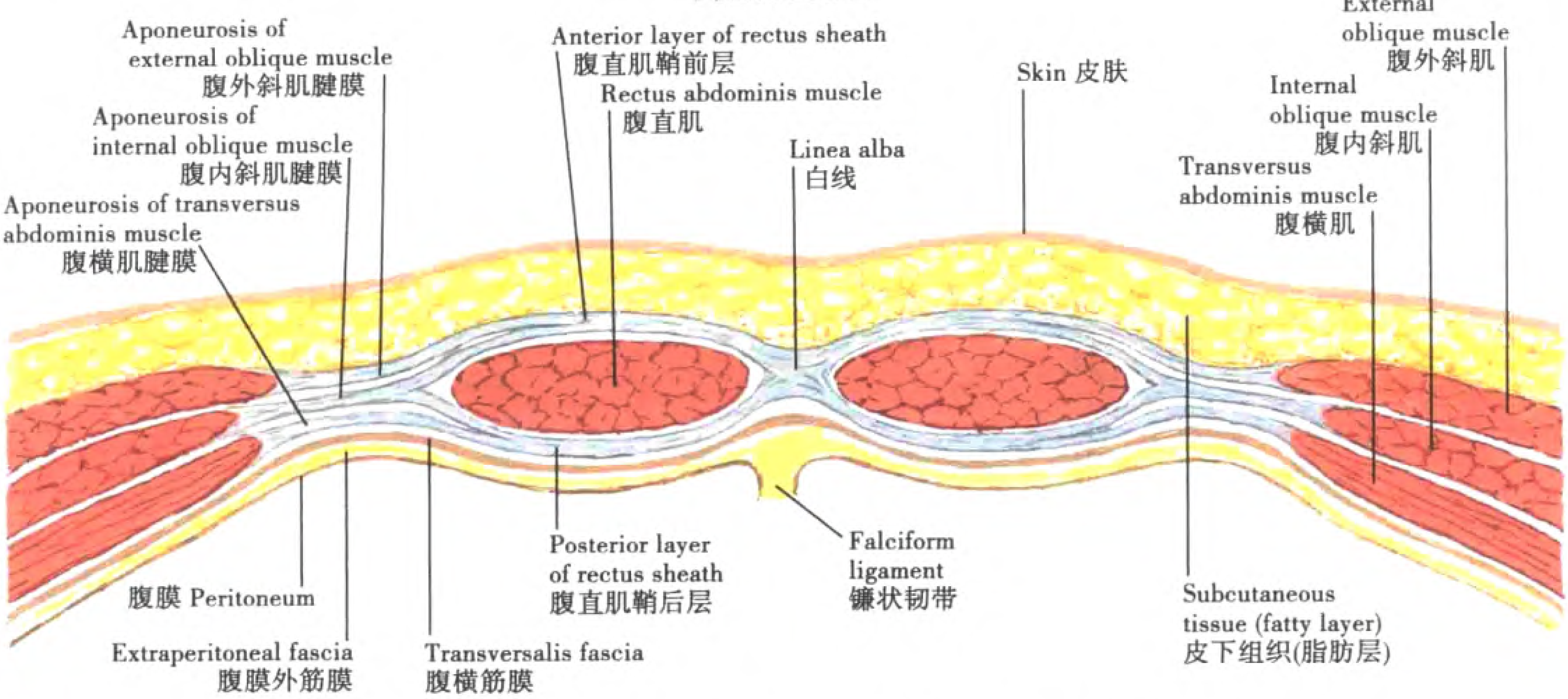
参见图 252，329



Pectoralis major muscle
胸大肌
Xiphoid process
剑突
Rectus sheath
腹直肌鞘
Linea alba
白线
Subcutaneous tissue (superficial fascia) of abdomen
腹部皮下组织(浅筋膜)
Thoraco-epigastric vein
胸腹壁静脉
Camper's (fatty) layer, Scarpa's (membranous) layer of subcutaneous tissue of abdomen (turned back)
Camper筋膜(脂肪层)和Scarpa筋膜(膜性层)腹部皮下组织层(翻起)
Attachment of Scarpa's layer to fascia lata
Scarpa 筋膜附着于阔筋膜
Superficial circumflex iliac vessels
旋髂浅血管
Superficial epigastric vessels
腹壁浅血管
Superficial external pudendal vessels
阴部外浅血管
Fundiform ligament
阴茎袢状韧带
Superficial fascia of penis and scrotum (dartos fascia) (cut)
阴茎和阴囊浅筋膜(肉膜)(切断)
Deep (Buck's) fascia of penis with deep dorsal vein of penis showing through
阴茎深筋膜(Buck筋膜)及其深面的阴茎背深静脉
Serratus anterior muscle
前锯肌
Latissimus dorsi muscle
背阔肌
External oblique muscle
腹外斜肌
Muscular part
肌部
Aponeurotic part
腱膜部
Anterior superior iliac spine
髂前上棘
Inguinal ligament (Poupart's)
腹股沟韧带 (Poupart)
Intercrural fibers
脚间纤维
Superficial inguinal ring
腹股沟浅环
External spermatic fascia on spermatic cord
精索外筋膜
Fascia lata
阔筋膜
Great saphenous vein
大隐静脉
Superficial dorsal vein of penis
阴茎背浅静脉

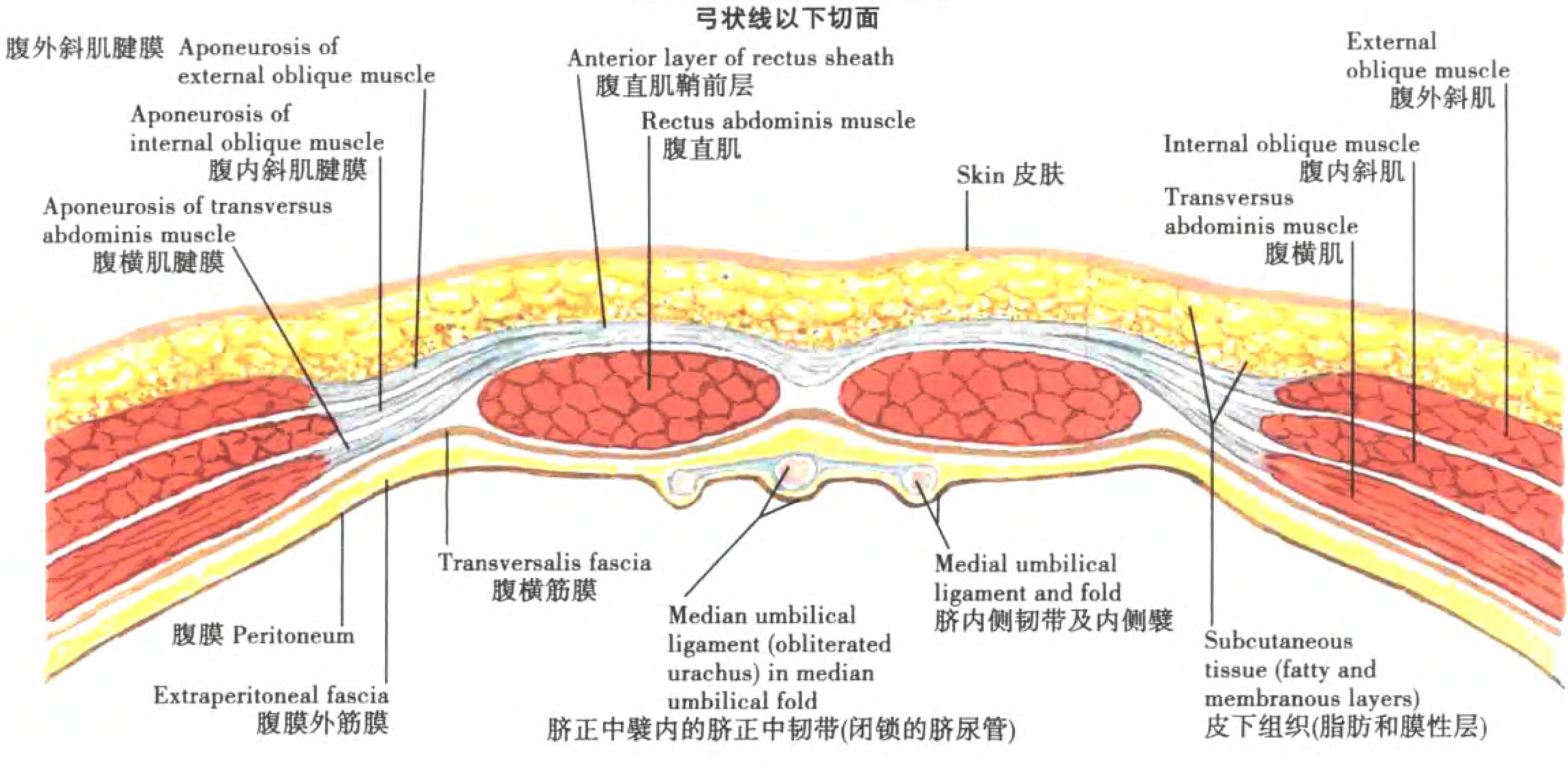

Pectoralis major muscles 胸大肌
Anterior layer of rectus sheath (cut edges) 腹直肌鞘前层(切缘)
Linea alba 白线
Rectus abdominis muscle 腹直肌
External oblique muscle (cut away) 腹外斜肌(切断)
Tendinous intersection 腱划
Internal oblique muscle 腹内斜肌
Pyramidalis muscle 锥状肌
Inguinal falx (conjoint tendon) 腹股沟镰(联合腱)
External oblique aponeurosis (cut and turned down) 腹外斜肌腱膜(切开并翻向下)
Pectineal ligament (Cooper's) 耻骨梳韧带(Cooper韧带)
Reflected inguinal ligament 反转韧带
Lacunar ligament (Gimbernat's) 腔隙韧带(陷窝韧带)(Gimbernat韧带)
Pubic tubercle 耻骨结节
Suspensory ligament of penis 阴茎悬韧带
Cremaster muscles and cremasteric fascia 提睾肌和提睾肌筋膜
Deep (Buck's) fascia of penis 阴茎深筋膜(Buck筋膜)
External spermatic fascia (cut) 精索外筋膜(切开)
Superficial fascia of penis and scrotum (cut) 阴茎和阴囊浅筋膜(切断)
Latissimus dorsi muscle 背阔肌
Serratus anterior muscle 前锯肌
External oblique muscle (cut away) 腹外斜肌(切断)
External intercostal muscles 肋间外肌
External oblique aponeurosis (cut edge) 腹外斜肌(切缘)
Rectus sheath 腹直肌鞘
Internal oblique muscle 腹内斜肌
Anterior superior iliac spine 髂前上棘
Inguinal ligament (Poupart's) 腹股沟(Poupart)韧带
Cremaster muscle (lateral origin) 提睾肌(外侧起点)
Inguinal falx (conjoint tendon) 腹股沟镰(联合腱)
Reflected inguinal ligament 反转韧带
Femoral vein (in femoral sheath) 股静脉(在股鞘内)
Saphenous opening 隐静脉裂孔
Cremaster muscle (medial origin) 提睾肌(内侧起点)
Fascia lata 阔筋膜
Great saphenous vein 大隐静脉
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Superior epigastric vessels
腹壁上血管
External oblique muscle (cut away)
腹外斜肌(切断)
Rectus abdominis muscle
腹直肌
External oblique aponeurosis (cut)
腹外斜肌腱膜(切开)
Internal oblique aponeurosis (cut)
腹内斜肌腱膜(切开)
Internal oblique muscle (cut)
腹内斜肌(切断)
Transversus abdominis muscle
腹横肌
Posterior layer of rectus sheath
腹直肌鞘后层
Arcuate line 弓状线
Inferior epigastric vessels
腹壁下血管
Superficial circumflex iliac artery (cut)
旋髂浅动脉(切断)
Superficial epigastric artery (cut)
腹壁浅动脉(切断)
Superficial external pudendal artery (cut)
阴部外动脉(切断)
Inguinal falx (conjoint tendon)
腹股沟镰(联合腱)
Pectineal ligament (Cooper's)
耻骨梳韧带(Cooper)
腔隙韧带 (陷窝韧带) (Gimbernat韧带)
Lacunar ligament (Gimbernat's)
Reflected inguinal ligament
反转韧带
Pubic tubercle
耻骨结节
Cremaster muscle and fascia
提睾肌及筋膜
External spermatic fascia (cut)
精索外筋膜(切开)
Deep (Buck's) fascia of penis
阴茎深筋膜 (Buck筋膜)
Superficial fascia of penis and scrotum (cut)
阴茎和阴囊浅筋膜(切开)
Anterior layer of rectus sheath (cut)
腹直肌鞘前层(切开)
Linea alba 白线
Anterior layer of rectus sheath
腹直肌鞘前层
Transversus abdominis muscle (cut)
腹直肌(切开)
Transversalis fascia (opened on left)
腹横筋膜(左侧切开)
Extraperitoneal fascia (areolar tissue)
腹膜外筋膜(疏松结缔组织)
Medial umbilical ligament (occluded part of umbilical artery)
脐内侧韧带(闭锁的脐动脉)
Inferior epigastric artery and vein (cut)
腹壁下血管(切断)
Site of deep inguinal ring (origin of internal spermatic fascia)
腹股沟深环(精索内筋膜起点)
Cremasteric and pubic branches of inferior epigastric artery
腹壁下动脉的提睾肌支及耻骨支
Femoral sheath (contains femoral artery and vein)
股鞘(包含股动脉和静脉)
Inguinal ligament (Poupart's)
腹股沟韧带 (Poupart 韧带)
Lacunar ligament (Gimbernat's)
腔隙韧带(陷窝韧带)
Pectineal ligament (Cooper's)
耻骨梳韧带(Cooper韧带)
Fat in retropubic space (of Retzius) 耻骨后隙脂肪
Pectineal fascia
耻骨筋膜
Internal spermatic fascia
精索内筋膜
Cremaster muscle and fascia (cut)
提睾肌及筋膜(切断)
External spermatic fascia (cut)
精索外筋膜(切开)



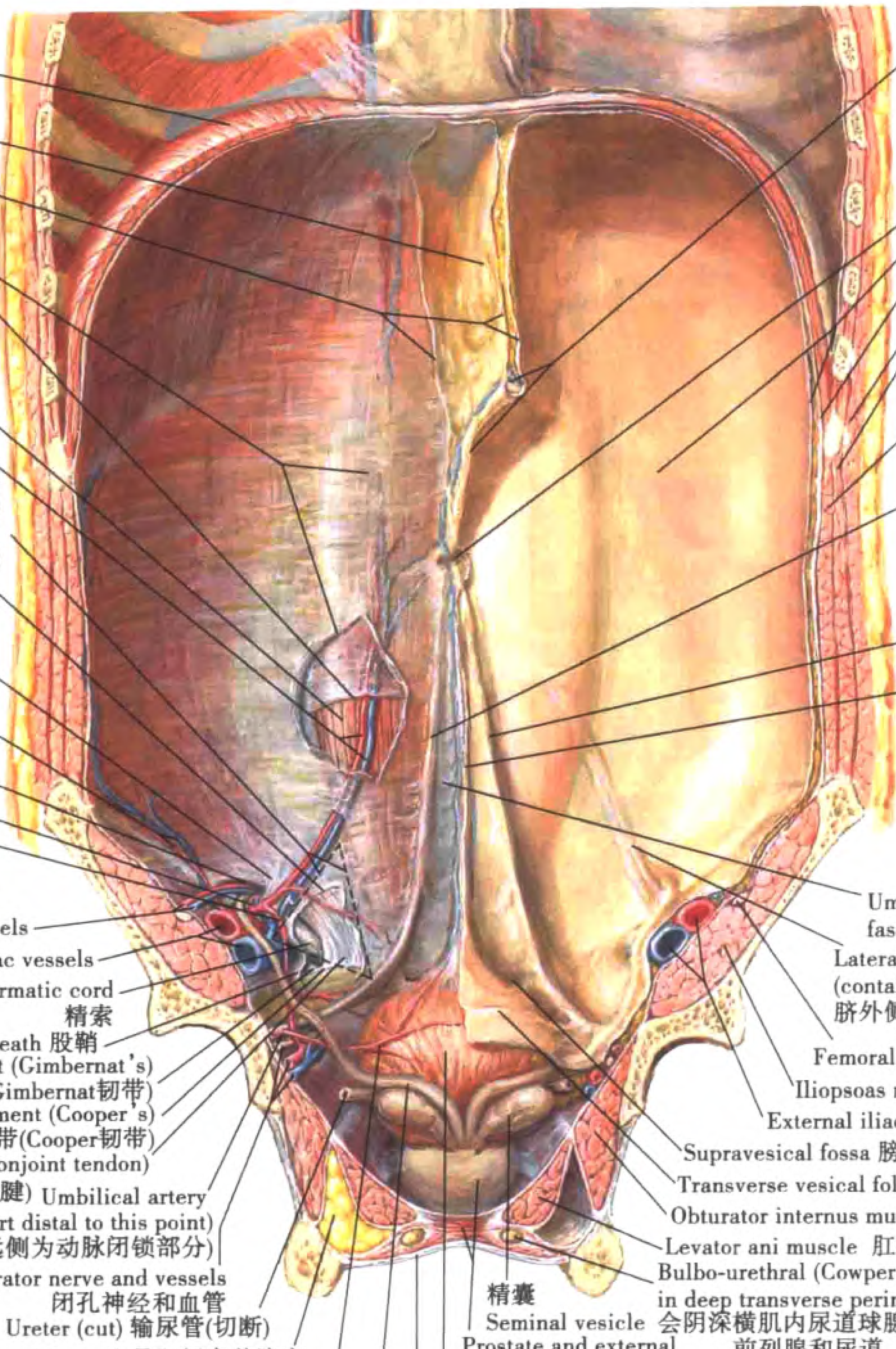
Aponeurosis of internal oblique muscle splits to form anterior and posterior layers of rectus sheath. Aponeurosis of external oblique muscle joins anterior layer of sheath; aponeurosis of transversus abdominis muscle joins posterior layer. Anterior and posterior layers of rectus sheath unite medially to form linea alba.

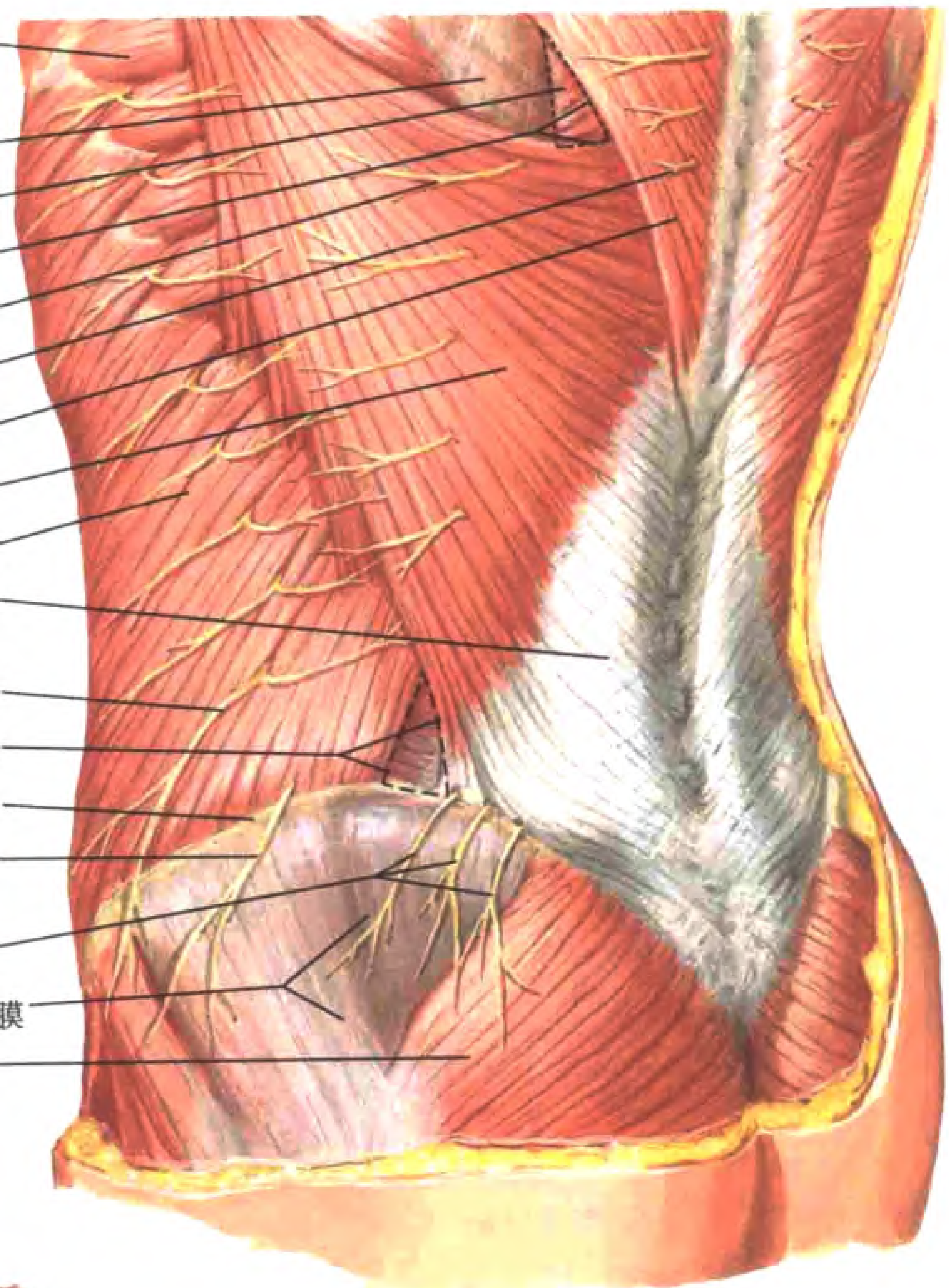
腹内斜肌腱膜分为前后两层参与构成腹直肌鞘的前、后两层。腹外斜肌腱膜参与构成腹直肌鞘前层;腹横肌腱膜参与构成腹直肌鞘后层。前后两层腹直肌鞘纤维在内侧彼此交织形成白线。

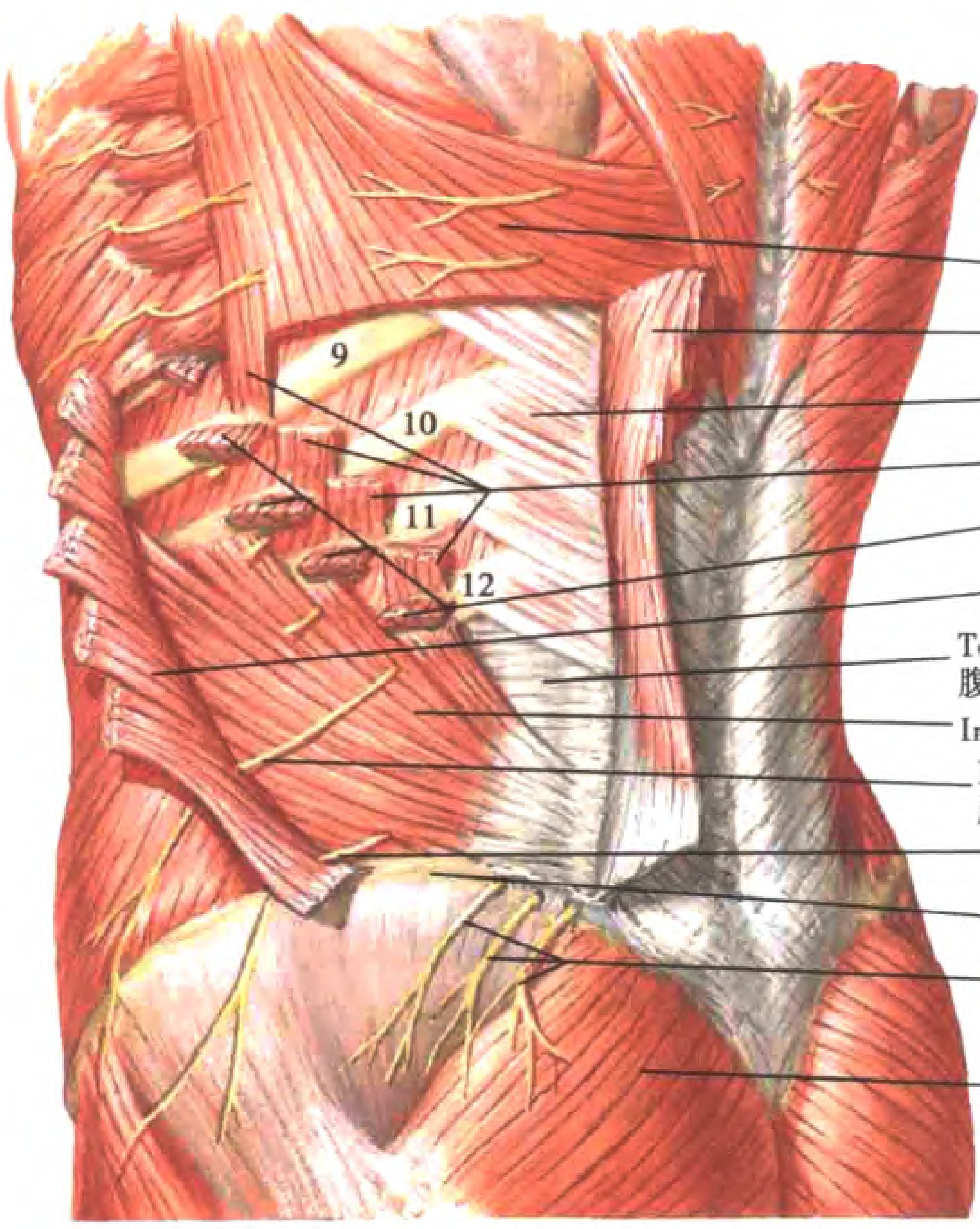


Aponeurosis of internal oblique muscle does not split at this level but passes completely anterior to rectus abdominis muscle and is fused there with both aponeurosis of external oblique muscle and that of transversus abdominis muscle. Thus, posterior wall of rectus sheath is absent below arcuate line, leaving only transversalis fascia.

弓状线以下腹内斜肌腱膜不分层,完全转至腹直肌的前面,与腹外斜肌腱膜、腹横肌腱膜构成腹直肌鞘前层。因此,在弓状线以下,腹直肌鞘后层缺如,只有腹横筋膜。

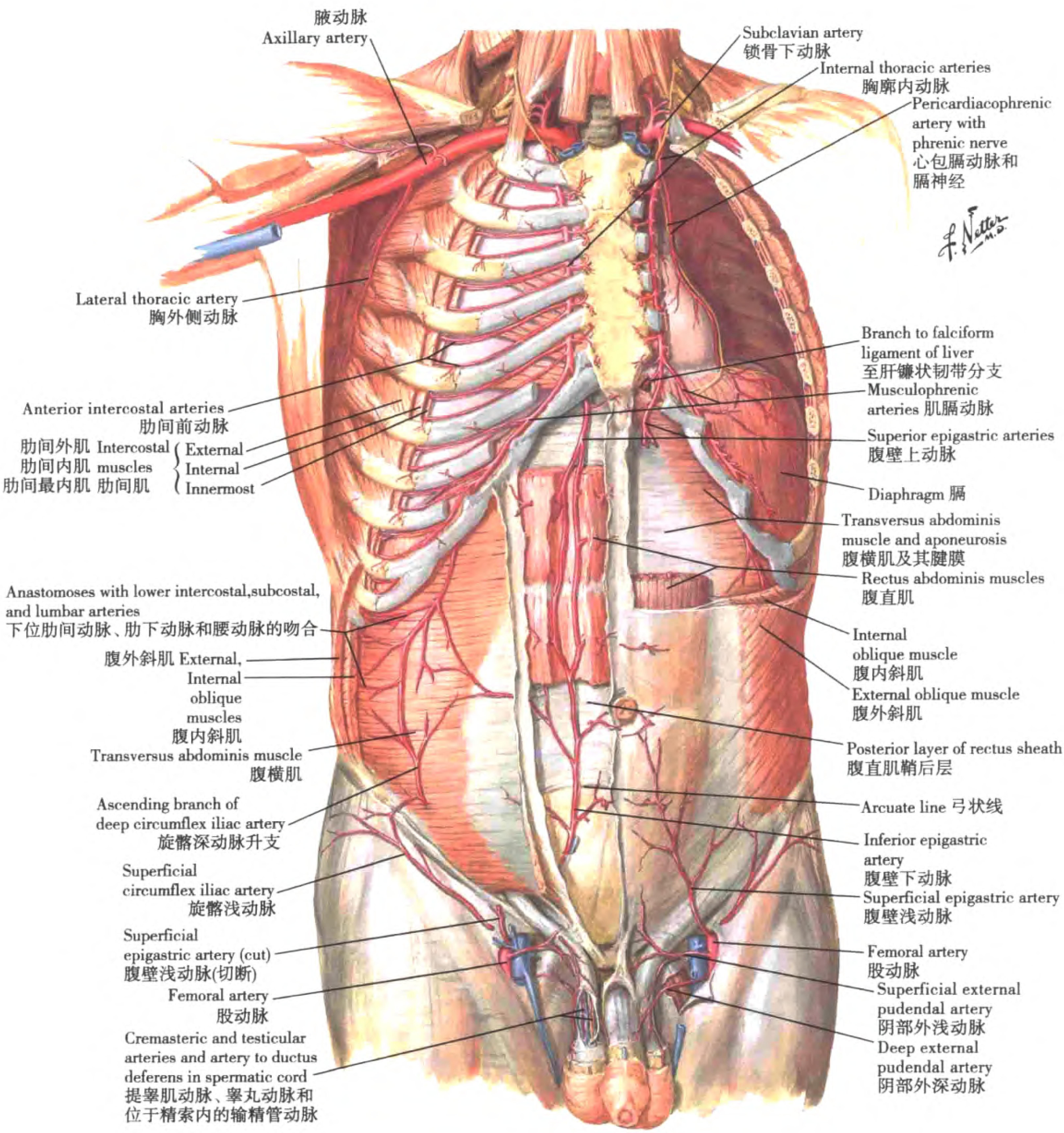

Diaphragm 膈
Falciform ligament 肝镰状韧带
Peritoneum (cut edges) 腹膜(切缘)
Transversalis fascia and its cut edge 腹横筋膜及其切缘
Arcuate line 弓状线
Rectus abdominis muscle 腹直肌
Inferior epigastric vessels 腹壁下血管
Inguinal triangle (Hesselbach's) 腹股沟三角 (Hesselbach三角)
Transversalis fascia (cut) 腹横筋膜(切开)
Interfoveolar ligament 凹间韧带
Deep circumflex iliac vessels 旋髂深血管
Deep inguinal ring 腹股沟深环
腹壁下动脉的提睾肌支及耻骨支 Cremasteric and pubic branches of inferior epigastric artery
睾丸血管 Testicular vessels
髂外血管 External iliac vessels
Spermatic cord 精索
Femoral sheath 股鞘
Lacunar ligament (Gimbernat's) 腔隙韧带(Gimbernat韧带)
Pectineal ligament (Cooper's) 耻骨梳韧带(Cooper韧带)
Inguinal falx (conjoint tendon) 腹股沟镰(联合腱)
Umbilical artery (occluded part distal to this point) 脐动脉(远侧为动脉闭锁部分)
Obturator nerve and vessels 闭孔神经和血管
Ureter (cut) 输尿管(切断)
Anterior recess of ischio-anal fossa 坐骨肛门窝前隐窝
Superior vesical artery 膀胱上动脉
Ductus (vas) deferens 输精管
Round ligament (ligamentum teres) of liver and para-umbilical veins 肝圆韧带及附脐静脉
Umbilicus 脐
Peritoneum 腹膜
Transversalis fascia 腹横筋膜
External and Internal oblique muscle 腹外斜肌和腹内斜肌
Transversus abdominis muscle 腹横肌
Left medial umbilical ligament (obliterated left umbilical artery) 左脐内侧韧带 (闭锁左脐动脉)
Right medial umbilical fold 右侧脐内侧襞
Median umbilical ligament (obliterated urachus) and para-umbilical veins in median umbilical fold 脐正中韧带(闭锁脐尿管)及脐正中襞内的附脐静脉
Umbilical prevesical fascia 脐膀胱前筋膜
Lateral umbilical fold (contains inferior epigastric vessels) 脐外侧襞(含腹壁下血管)
Femoral nerve 股神经
Iliopsoas muscle 髂腰肌
External iliac vessels 髂外血管
Supravesical fossa 膀胱上窝
Transverse vesical fold 膀胱横襞
Obturator internus muscle 闭孔内肌
Levator ani muscle 肛提肌
Bulbo-urethral (Cowper's) gland embedded in deep transverse perineal muscle 会阴深横肌内尿道球腺(Cowper腺)
精囊 Seminal vesicle
Prostate and external urethral sphincter muscle 前列腺和尿道外括约肌
Urinary bladder 膀胱
Perineal membrane 尿生殖膈下筋膜
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C. Machado M.D.


Serratus anterior muscle
前锯肌
Infraspinous fascia 冈下筋膜
Rhomboid major muscle 大菱形肌
Auscultatory triangle 听诊三角
Lateral cutaneous branch of dorsal ramus of T7 spinal nerve
第7胸神经后支外侧皮支
Medial cutaneous branch of dorsal ramus of T7 spinal nerve
第7胸神经后支内侧皮支
Trapezius muscle 斜方肌
Latissimus dorsi muscle 背阔肌
External oblique muscle 腹外斜肌
Thoracolumbar fascia (posterior layer) 胸腰筋膜(后层)
Lateral cutaneous branch of subcostal nerve (anterior ramus of T12)
肋下神经(第12胸神经前支)外侧皮支
Lumbar triangle (of Petit) 腰三角(Petit三角)
Iliac crest 髂嵴
Lateral cutaneous branch of iliohypogastric nerve (L1)
髂腹下神经(第1腰神经)外侧皮支
Superior clunial nerves (lateral cutaneous branches of posterior rami of L1-L3 spinal nerves)
臀上皮神经(第1~3腰神经后支外侧皮支)
Gluteal aponeurosis over gluteus medius muscle 臀中肌表面臀肌腱膜
Gluteus maximus muscle 臀大肌

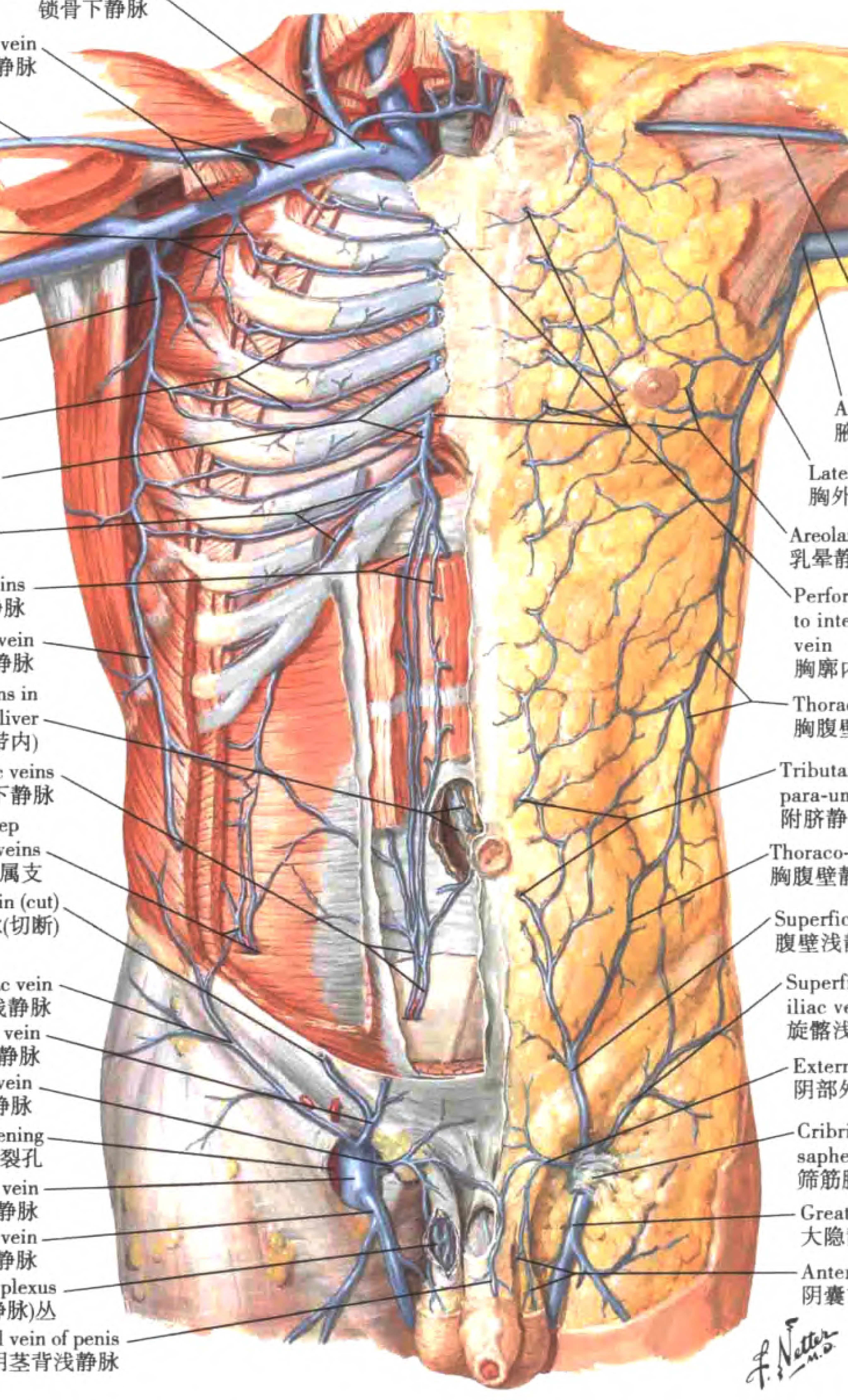

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Latissimus dorsi muscle 背阔肌
Latissimus dorsi muscle (cut and turned back)
背阔肌(切开翻向后)
Serratus posterior inferior muscle 下后锯肌
Digitations of costal origin of latissimus dorsi muscle
起自肋骨的背阔肌肌齿
Digitations of costal origin of external oblique muscle
起自肋骨的腹外斜肌肌齿
External oblique muscle (cut and turned back) 腹外斜肌(切开翻向后)
Tendon of origin of transversus abdominis muscle
腹横肌起点肌腱
Internal oblique muscle 腹内斜肌
Lateral cutaneous branch of subcostal nerve (anterior ramus of T12)
肋下神经(第12胸神经前支)外侧皮支
Lateral cutaneous branch of iliohypogastric nerve (L1)
髂腹下神经(第1腰神经)外侧皮支
Iliac crest 髂嵴
Superior clunial nerves (lateral cutaneous branches of posterior rami of L1-L3 spinal nerves)
臀上皮神经(第1~3腰神经后支外侧皮支)
Gluteus maximus muscle
臀大肌
F. Netter M.D.

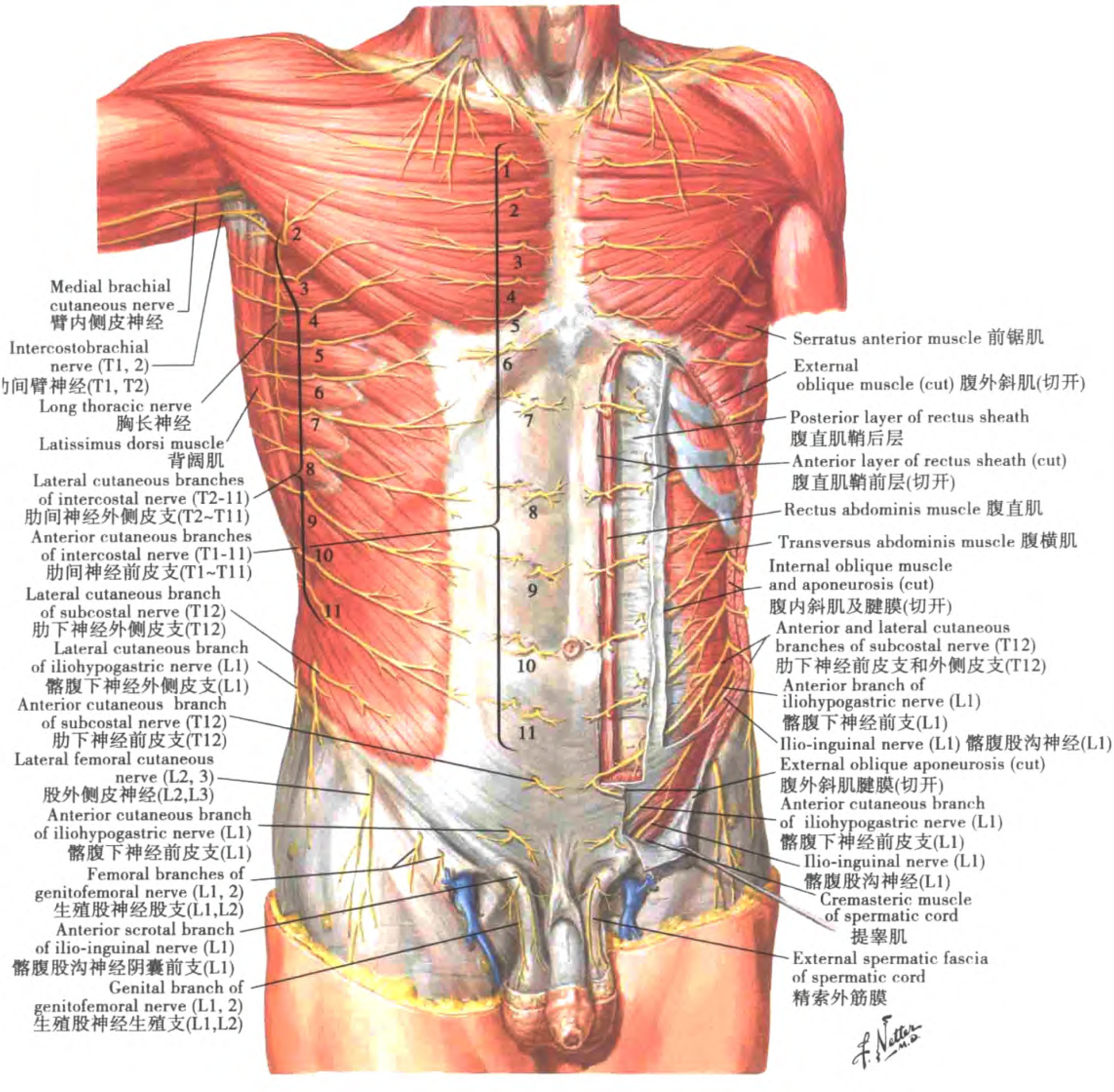
腹前壁的动脉

参见图247

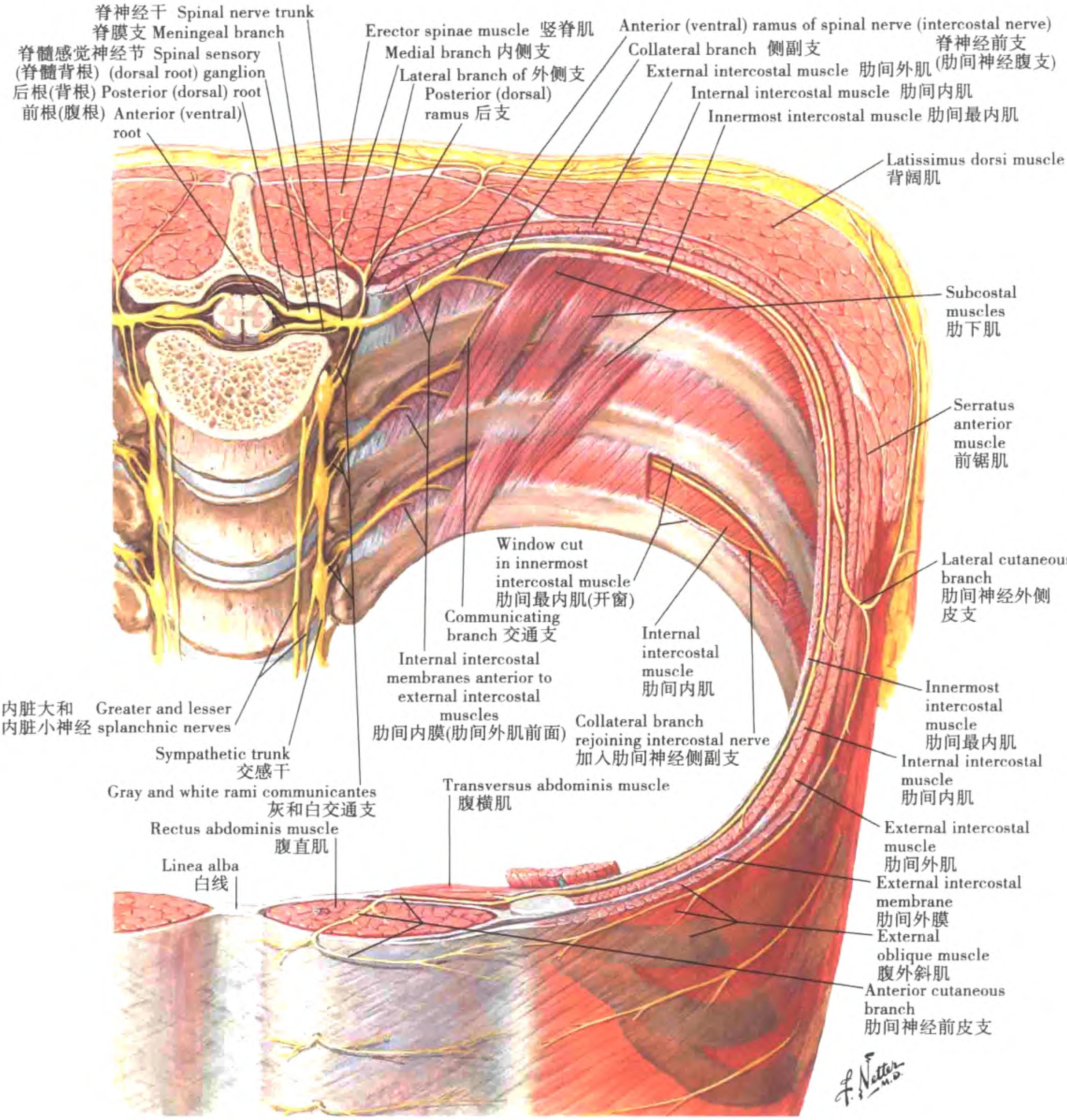


参见图245,248

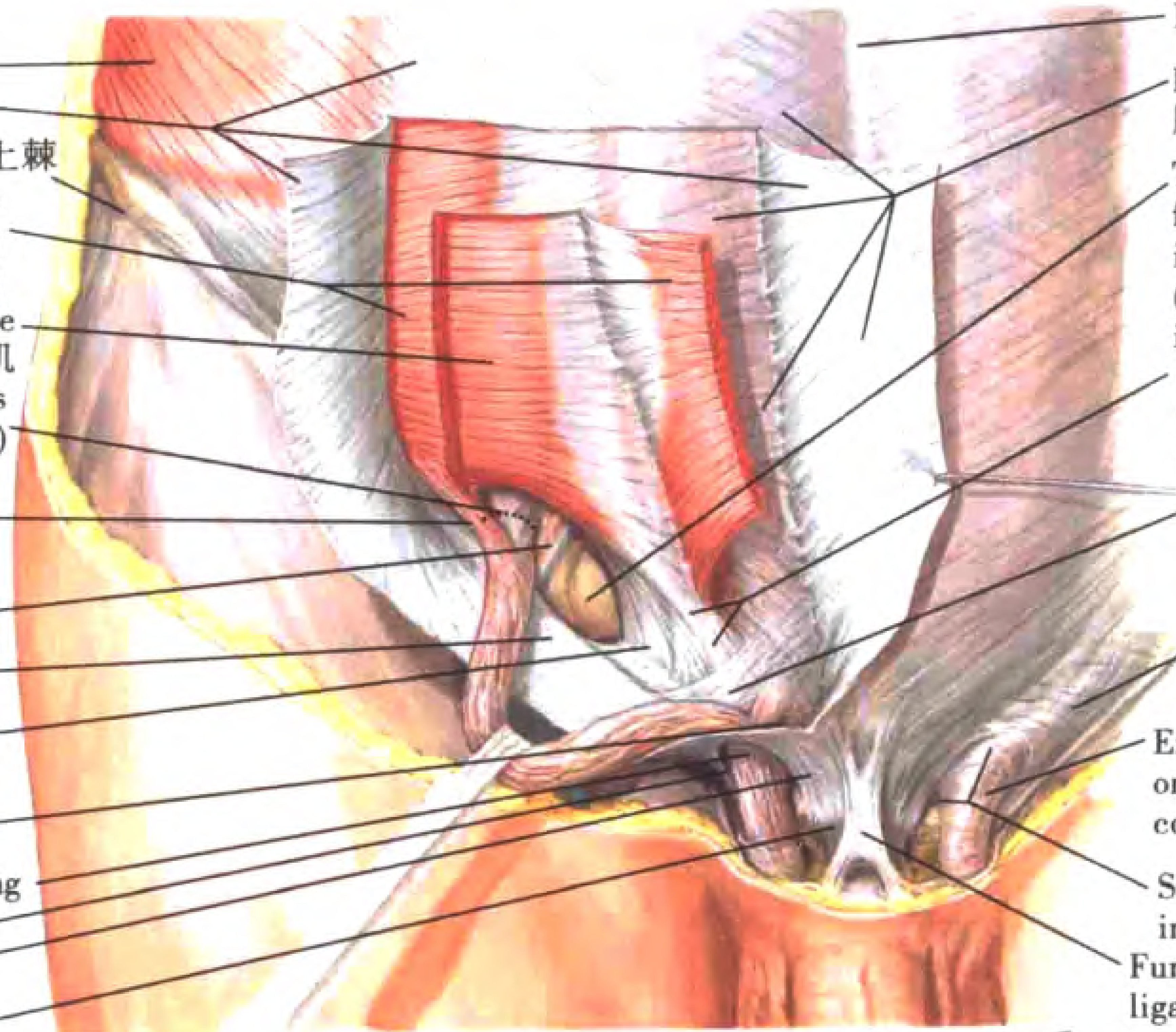

Subclavian vein
锁骨下静脉
Axillary vein
腋静脉
Cephalic vein
头静脉
Intercostal tributaries to axillary vein
腋静脉的肋间静脉属支
Lateral thoracic vein
胸外侧静脉
Anterior intercostal veins
肋间前静脉
Internal thoracic vein
胸廓内静脉
Musculophrenic vein
肌膈静脉
Superior epigastric veins
腹壁上静脉
Thoraco-epigastric vein
胸腹壁静脉
Para-umbilical veins in round ligament of liver
附脐静脉(肝圆韧带内)
Inferior epigastric veins
腹壁下静脉
Tributaries to deep circumflex iliac veins
旋髂深静脉属支
Thoraco-epigastric vein (cut)
胸腹壁静脉(切断)
Superficial circumflex iliac vein
旋髂浅静脉
Superficial epigastric vein
腹壁浅静脉
External pudendal vein
阴部外静脉
Saphenous opening
隐静脉裂孔
Femoral vein
股静脉
Great saphenous vein
大隐静脉
Pampiniform (venous) plexus
蔓状(静脉)丛
Superficial dorsal vein of penis
阴茎背浅静脉
Cephalic vein
头静脉
Axillary vein
腋静脉
Lateral thoracic vein
胸外侧静脉
Areolar venous plexus
乳晕静脉丛
Perforating tributaries to internal thoracic vein
胸廓内静脉前穿支
Thoraco-epigastric vein
胸腹壁静脉
Tributaries of para-umbilical veins
附脐静脉属支
Thoraco-epigastric vein
胸腹壁静脉
Superficial epigastric vein
腹壁浅静脉
Superficial circumflex iliac vein
旋髂浅静脉
External pudendal vein
阴部外静脉
Cribriform fascia over saphenous opening
筛筋膜(隐静脉裂孔表面)
Great saphenous vein
大隐静脉
Anterior scrotal veins
阴囊前静脉
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Medial brachial cutaneous nerve 臂内侧皮神经
Intercostobrachial nerve (T1, 2) 肋间臂神经(T1, T2)
Long thoracic nerve 胸长神经
Latissimus dorsi muscle 背阔肌
Lateral cutaneous branches of intercostal nerve (T2-11) 肋间神经外侧皮支(T2~T11)
Anterior cutaneous branches of intercostal nerve (T1-11) 肋间神经前皮支(T1~T11)
Lateral cutaneous branch of subcostal nerve (T12) 肋下神经外侧皮支(T12)
Lateral cutaneous branch of iliohypogastric nerve (L1) 髂腹下神经外侧皮支(L1)
Anterior cutaneous branch of subcostal nerve (T12) 肋下神经前皮支(T12)
Lateral femoral cutaneous nerve (L2, 3) 股外侧皮神经(L2,L3)
Anterior cutaneous branch of iliohypogastric nerve (L1) 髂腹下神经前皮支(L1)
Femoral branches of genitofemoral nerve (L1, 2) 生殖股神经股支(L1,L2)
Anterior scrotal branch of ilio-inguinal nerve (L1) 髂腹股沟神经阴囊前支(L1)
Genital branch of genitofemoral nerve (L1, 2) 生殖股神经生殖支(L1,L2)
Serratus anterior muscle 前锯肌
External oblique muscle (cut) 腹外斜肌(切开)
Posterior layer of rectus sheath 腹直肌鞘后层
Anterior layer of rectus sheath (cut) 腹直肌鞘前层(切开)
Rectus abdominis muscle 腹直肌
Transversus abdominis muscle 腹横肌
Internal oblique muscle and aponeurosis (cut) 腹内斜肌及腱膜(切开)
Anterior and lateral cutaneous branches of subcostal nerve (T12) 肋下神经前皮支和外侧皮支(T12)
Anterior branch of iliohypogastric nerve (L1) 髂腹下神经前支(L1)
Ilio-inguinal nerve (L1) 髂腹股沟神经(L1)
External oblique aponeurosis (cut) 腹外斜肌腱膜(切开)
Anterior cutaneous branch of iliohypogastric nerve (L1) 髂腹下神经前皮支(L1)
Ilio-inguinal nerve (L1) 髂腹股沟神经(L1)
Cremasteric muscle of spermatic cord 提睾肌
External spermatic fascia of spermatic cord 精索外筋膜
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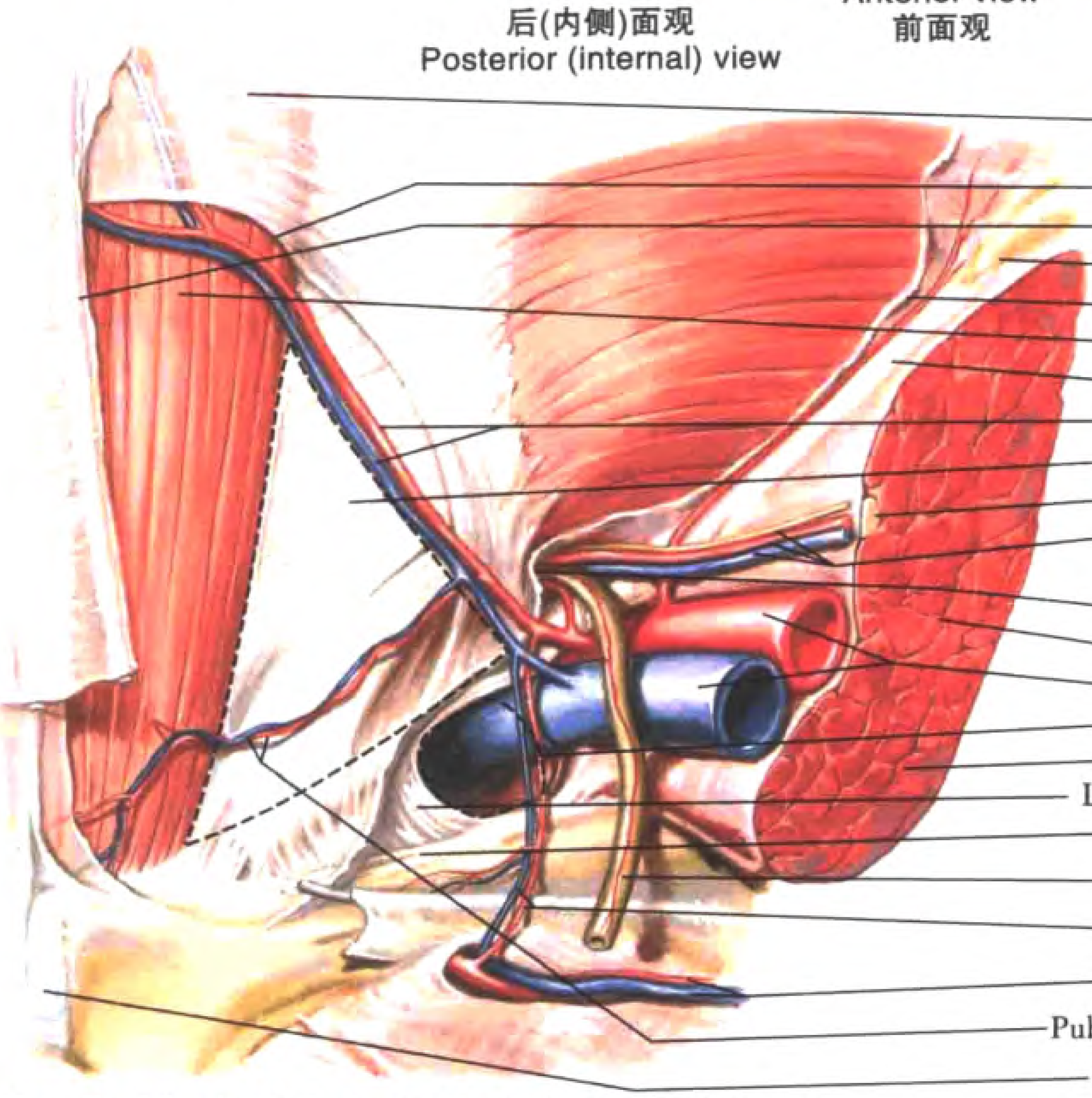

脊神经干 Spinal nerve trunk
脊膜支 Meningeal branch
脊髓感觉神经节 Spinal sensory (脊髓背根) (dorsal root) ganglion
后根(背根) Posterior (dorsal) root
前根(腹根) Anterior (ventral) root
Erector spinae muscle 竖脊肌
Medial branch 内侧支
Lateral branch of 外侧支
Posterior (dorsal) ramus 后支
Anterior (ventral) ramus of spinal nerve (intercostal nerve) 脊神经前支 (肋间神经腹支)
Collateral branch 侧副支
External intercostal muscle 肋间外肌
Internal intercostal muscle 肋间内肌
Innermost intercostal muscle 肋间最内肌
Latissimus dorsi muscle 背阔肌
Subcostal muscles 肋下肌
Serratus anterior muscle 前锯肌
Lateral cutaneous branch 肋间神经外侧皮支
Window cut in innermost intercostal muscle 肋间最内肌(开窗)
Communicating branch 交通支
Internal intercostal muscle 肋间内肌
Internal intercostal membranes anterior to external intercostal muscles 肋间内膜(肋间外肌前面)
Collateral branch rejoining intercostal nerve 加入肋间神经侧副支
Innermost intercostal muscle 肋间最内肌
Internal intercostal muscle 肋间内肌
内脏大和内脏小神经 Greater and lesser splanchnic nerves
Sympathetic trunk 交感干
Gray and white rami communicantes 灰和白交通支
Transversus abdominis muscle 腹横肌
Rectus abdominis muscle 腹直肌
Linea alba 白线
External intercostal muscle 肋间外肌
External intercostal membrane 肋间外膜
External oblique muscle 腹外斜肌
Anterior cutaneous branch 肋间神经前皮支
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参见图 247,249

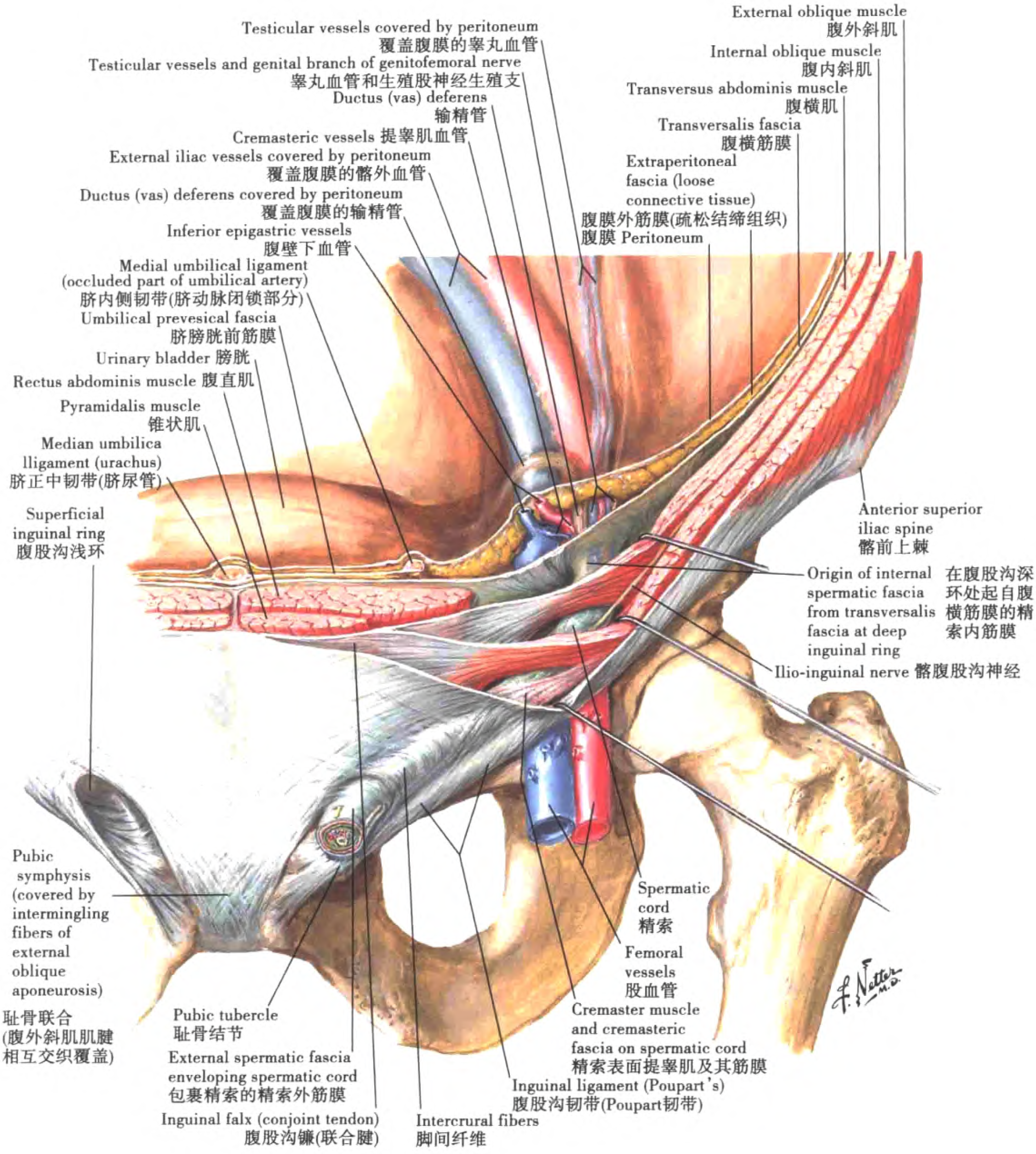


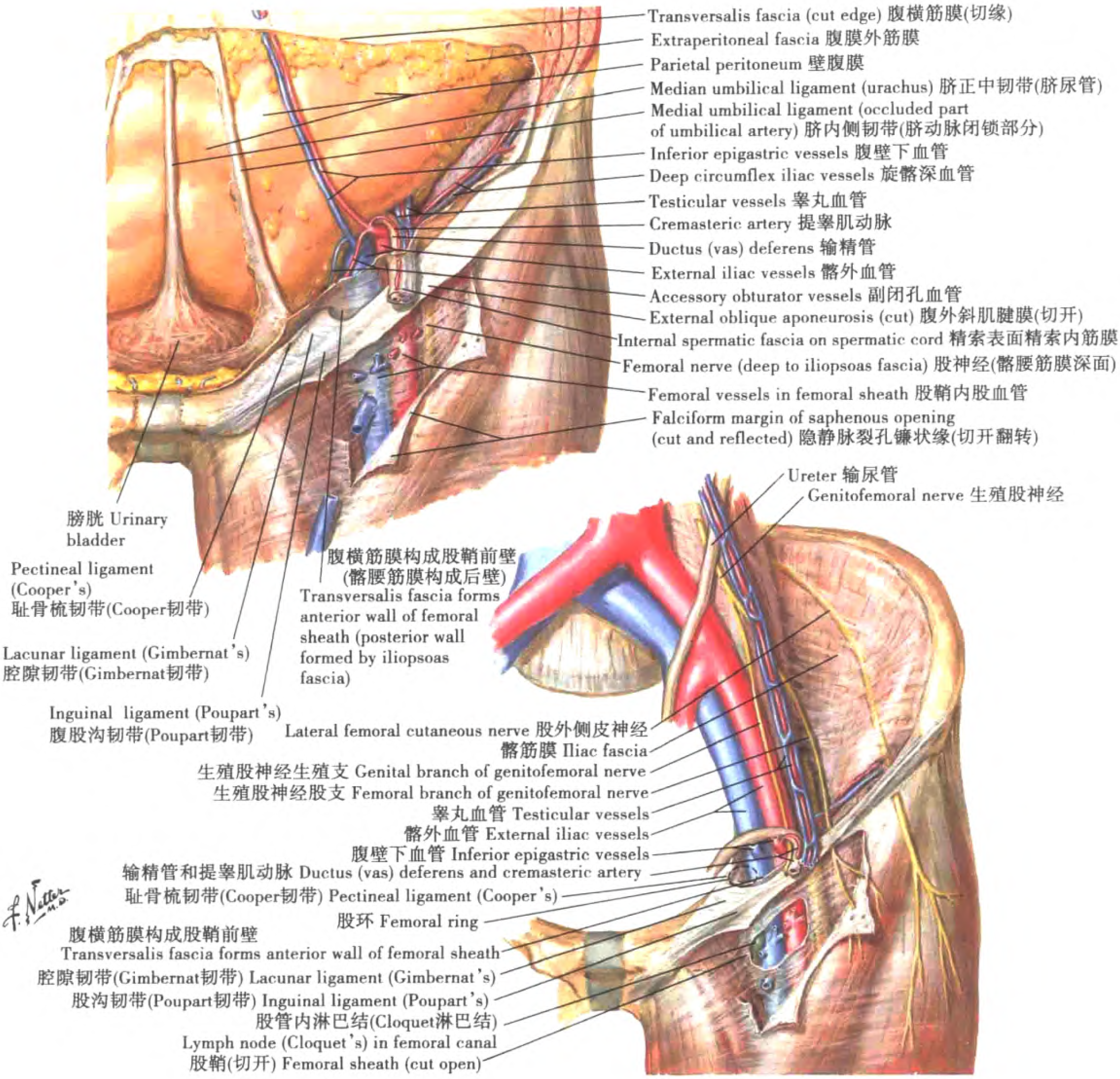
Anterior view
前面观

后(内侧)面观
Posterior (internal) view

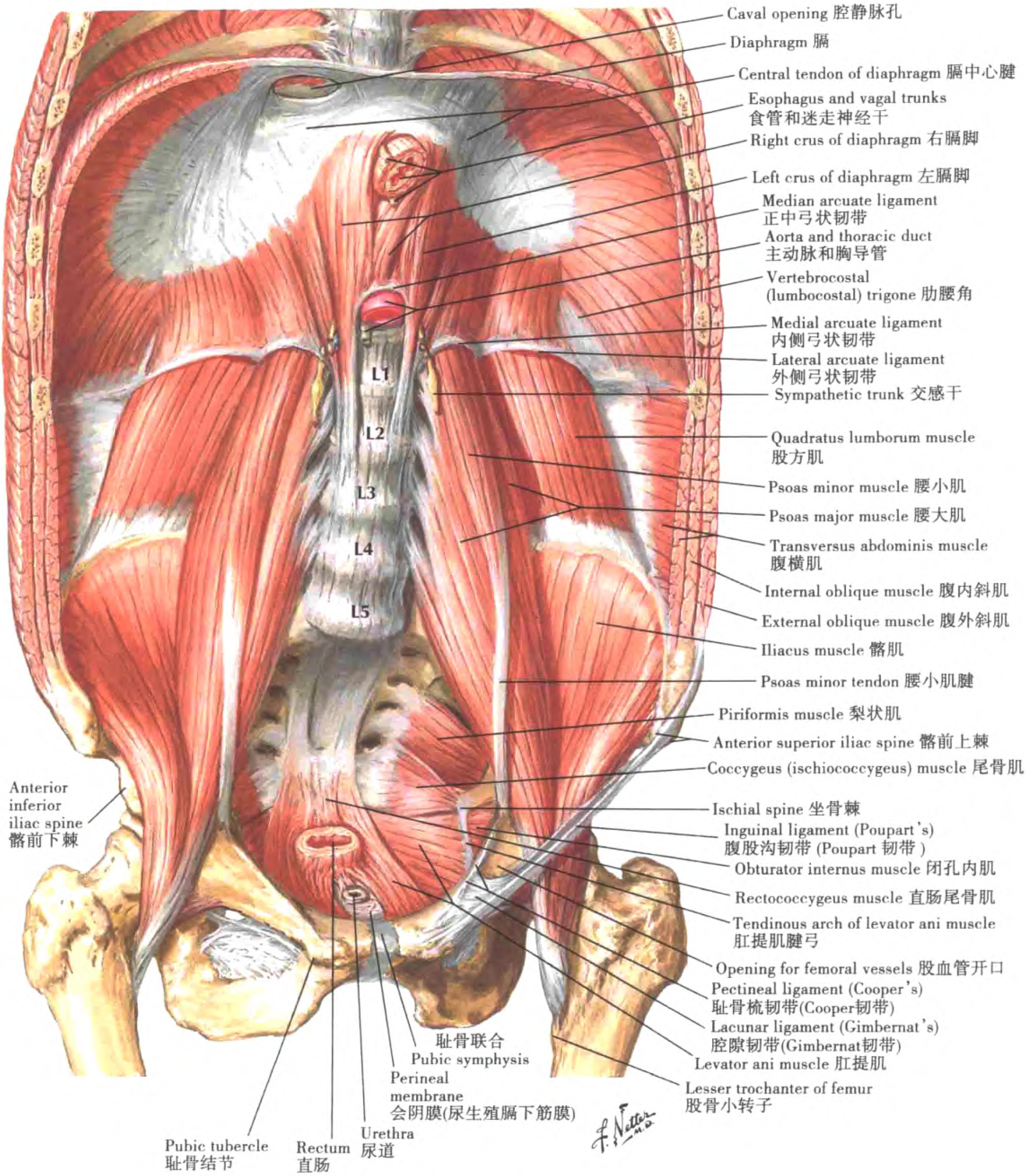


Hesselbach's triangle by Carlos Machado after Frank Netter
Hesselbach's三角在Frank Netter后由Carlos Machado绘制


Testicular vessels covered by peritoneum
覆盖腹膜的睾丸血管
Testicular vessels and genital branch of genitofemoral nerve
睾丸血管和生殖股神经生殖支
Ductus (vas) deferens
输精管
Cremasteric vessels 提睾肌血管
External iliac vessels covered by peritoneum
覆盖腹膜的髂外血管
Ductus (vas) deferens covered by peritoneum
覆盖腹膜的输精管
Inferior epigastric vessels
腹壁下血管
Medial umbilical ligament (occluded part of umbilical artery)
脐内侧韧带(脐动脉闭锁部分)
Umbilical prevesical fascia
脐膀胱前筋膜
Urinary bladder 膀胱
Rectus abdominis muscle 腹直肌
Pyramidalis muscle
锥状肌
Median umbilica lligament (urachus)
脐正中韧带(脐尿管)
Superficial inguinal ring
腹股沟浅环
External oblique muscle
腹外斜肌
Internal oblique muscle
腹内斜肌
Transversus abdominis muscle
腹横肌
Transversalis fascia
腹横筋膜
Extraperitoneal fascia (loose connective tissue)
腹膜外筋膜(疏松结缔组织)
腹膜 Peritoneum
Anterior superior iliac spine
髂前上棘
Origin of internal spermatic fascia from transversalis fascia at deep inguinal ring
在腹股沟深环处起自腹横筋膜的精索内筋膜
Ilio-inguinal nerve 髂腹股沟神经
Pubic symphysis (covered by intermingling fibers of external oblique aponeurosis)
耻骨联合(腹外斜肌肌腱相互交织覆盖)
Pubic tubercle
耻骨结节
External spermatic fascia enveloping spermatic cord
包裹精索的精索外筋膜
Inguinal falx (conjoint tendon)
腹股沟镰(联合腱)
Intercrural fibers
脚间纤维
Spermatic cord
精索
Femoral vessels
股血管
Cremaster muscle and cremasteric fascia on spermatic cord
精索表面提睾肌及其筋膜
Inguinal ligament (Poupart's)
腹股沟韧带(Poupart韧带)
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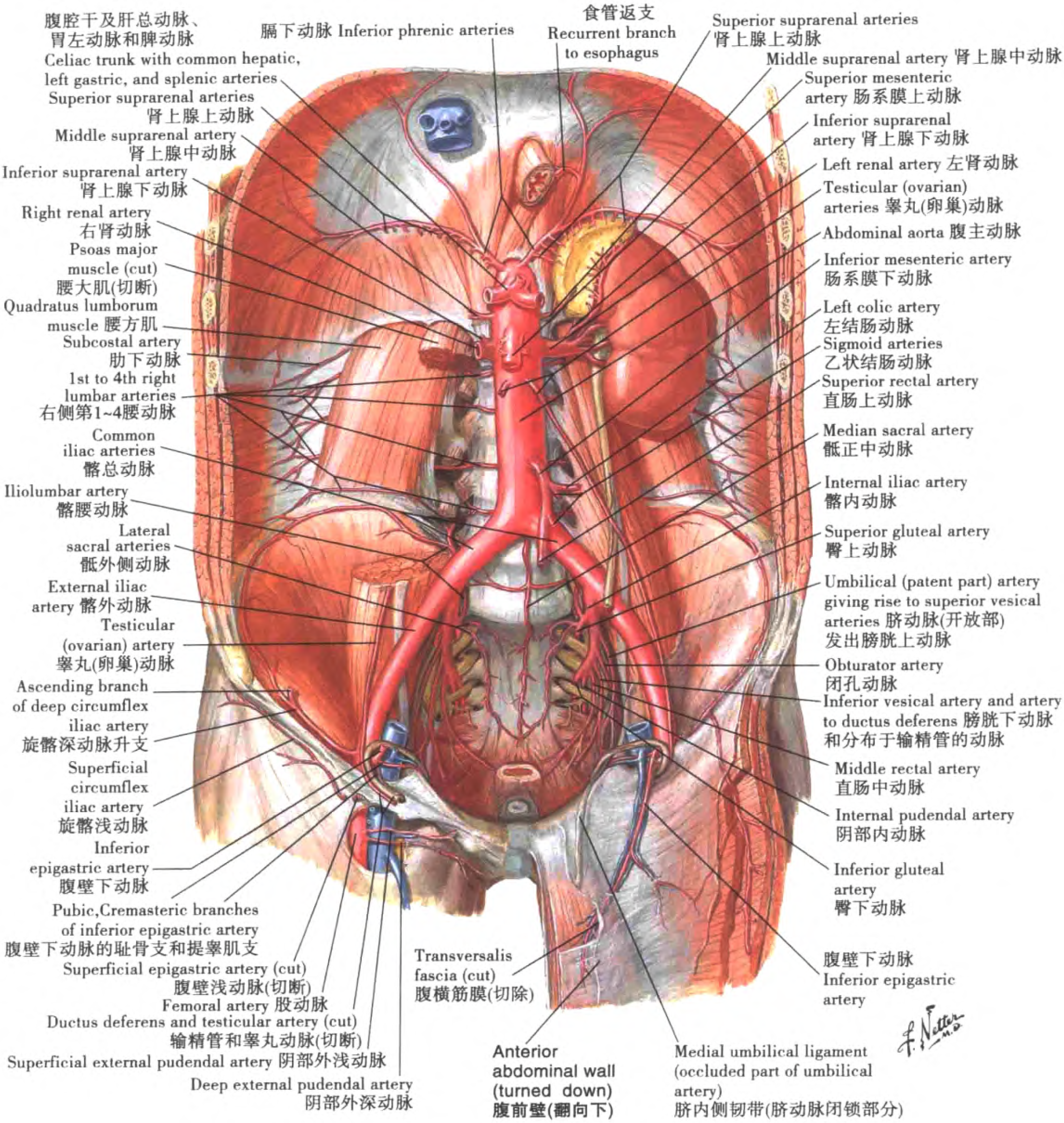


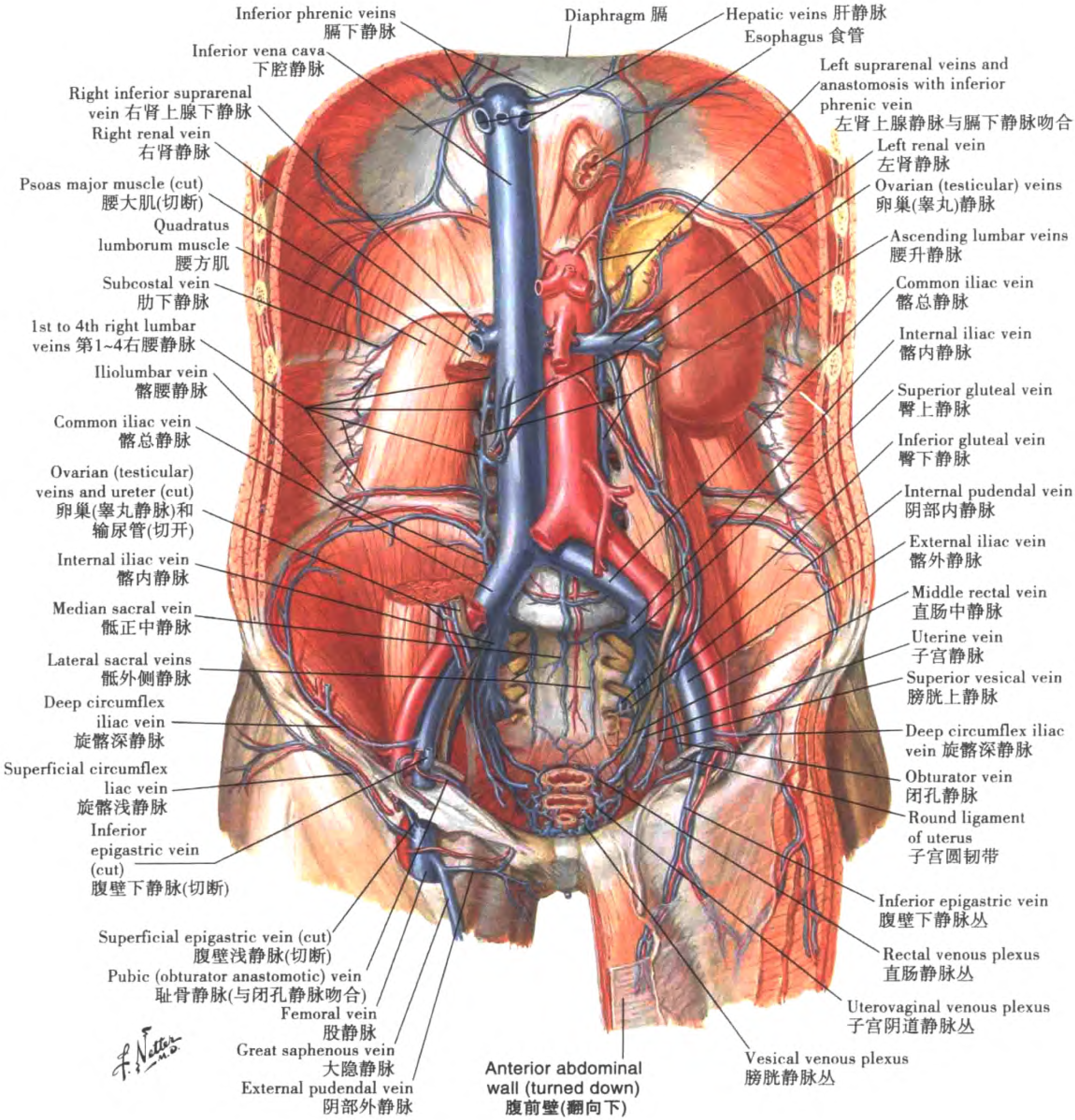
Transversalis fascia (cut edge) 腹横筋膜(切缘)
Extraperitoneal fascia 腹膜外筋膜
Parietal peritoneum 壁腹膜
Median umbilical ligament (urachus) 脐正中韧带(脐尿管)
Medial umbilical ligament (occluded part of umbilical artery) 脐内侧韧带(脐动脉闭锁部分)
Inferior epigastric vessels 腹壁下血管
Deep circumflex iliac vessels 旋髂深血管
Testicular vessels 睾丸血管
Cremasteric artery 提睾肌动脉
Ductus (vas) deferens 输精管
External iliac vessels 髂外血管
Accessory obturator vessels 副闭孔血管
External oblique aponeurosis (cut) 腹外斜肌腱膜(切开)
Internal spermatic fascia on spermatic cord 精索表面精索内筋膜
Femoral nerve (deep to iliopsoas fascia) 股神经(髂腰筋膜深面)
Femoral vessels in femoral sheath 股鞘内股血管
Falciform margin of saphenous opening (cut and reflected) 隐静脉裂孔镰状缘(切开翻转)
膀胱 Urinary bladder
Pectineal ligament (Cooper's) 耻骨梳韧带(Cooper韧带)
Lacunar ligament (Gimbernat's) 腔隙韧带(Gimbernat韧带)
Inguinal ligament (Poupart's) 腹股沟韧带(Poupart韧带)
腹横筋膜构成股鞘前壁(髂腰筋膜构成后壁)
Transversalis fascia forms anterior wall of femoral sheath (posterior wall formed by iliopsoas fascia)
Ureter 输尿管
Genitofemoral nerve 生殖股神经
Lateral femoral cutaneous nerve 股外侧皮神经
髂筋膜 Iliac fascia
生殖股神经生殖支 Genital branch of genitofemoral nerve
生殖股神经股支 Femoral branch of genitofemoral nerve
睾丸血管 Testicular vessels
髂外血管 External iliac vessels
腹壁下血管 Inferior epigastric vessels
输精管和提睾肌动脉 Ductus (vas) deferens and cremasteric artery
耻骨梳韧带(Cooper韧带) Pectineal ligament (Cooper's)
股环 Femoral ring
腹横筋膜构成股鞘前壁
Transversalis fascia forms anterior wall of femoral sheath
腔隙韧带(Gimbernat韧带) Lacunar ligament (Gimbernat's)
股沟韧带(Poupart韧带) Inguinal ligament (Poupart's)
股管内淋巴结(Cloquet淋巴结)
Lymph node (Cloquet's) in femoral canal
股鞘(切开) Femoral sheath (cut open)

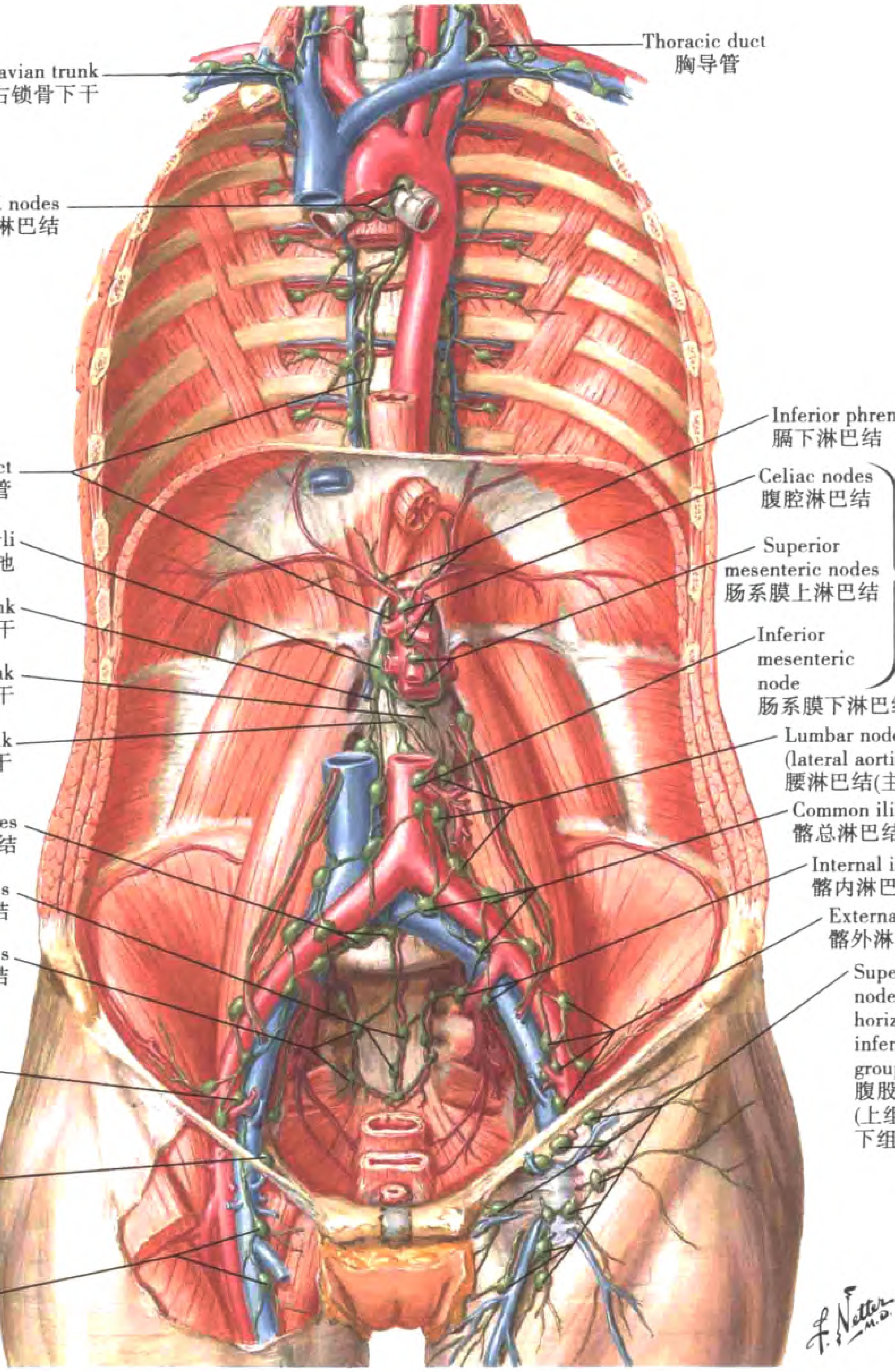

Caval opening 腔静脉孔
Diaphragm 膈
Central tendon of diaphragm 膈中心腱
Esophagus and vagal trunks 食管和迷走神经干
Right crus of diaphragm 右膈脚
Left crus of diaphragm 左膈脚
Median arcuate ligament 正中弓状韧带
Aorta and thoracic duct 主动脉和胸导管
Vertebrocostal (lumbocostal) trigone 肋腰角
Medial arcuate ligament 内侧弓状韧带
Lateral arcuate ligament 外侧弓状韧带
Sympathetic trunk 交感干
L1
L2
L3
L4
L5
Quadratus lumborum muscle 股方肌
Psoas minor muscle 腰小肌
Psoas major muscle 腰大肌
Transversus abdominis muscle 腹横肌
Internal oblique muscle 腹内斜肌
External oblique muscle 腹外斜肌
Iliacus muscle 髂肌
Psoas minor tendon 腰小肌腱
Piriformis muscle 梨状肌
Anterior superior iliac spine 髂前上棘
Coccygeus (ischiococcygeus) muscle 尾骨肌
Anterior inferior iliac spine 髂前下棘
Ischial spine 坐骨棘
Inguinal ligament (Poupart's) 腹股沟韧带 (Poupart 韧带)
Obturator internus muscle 闭孔内肌
Rectococcygeus muscle 直肠尾骨肌
Tendinous arch of levator ani muscle 肛提肌腱弓
Opening for femoral vessels 股血管开口
Pectineal ligament (Cooper's) 耻骨梳韧带(Cooper韧带)
Lacunar ligament (Gimbernat's) 腔隙韧带(Gimbernat韧带)
Levator ani muscle 肛提肌
耻骨联合 Pubic symphysis
Perineal membrane 会阴膜(尿生殖膈下筋膜)
Lesser trochanter of femur 股骨小转子
Urethra 尿道
Pubic tubercle 耻骨结节
Rectum 直肠
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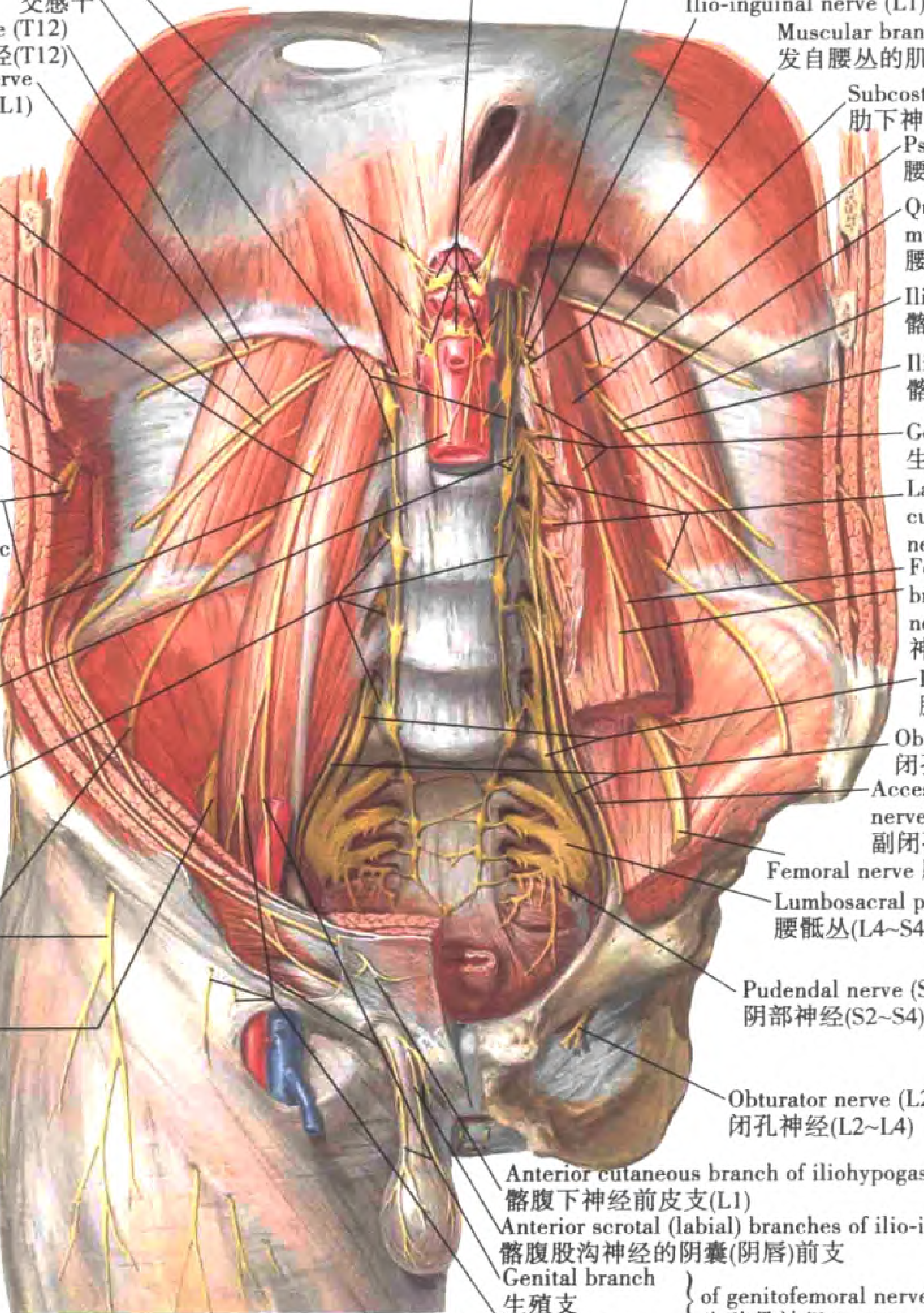
腹后壁的动脉

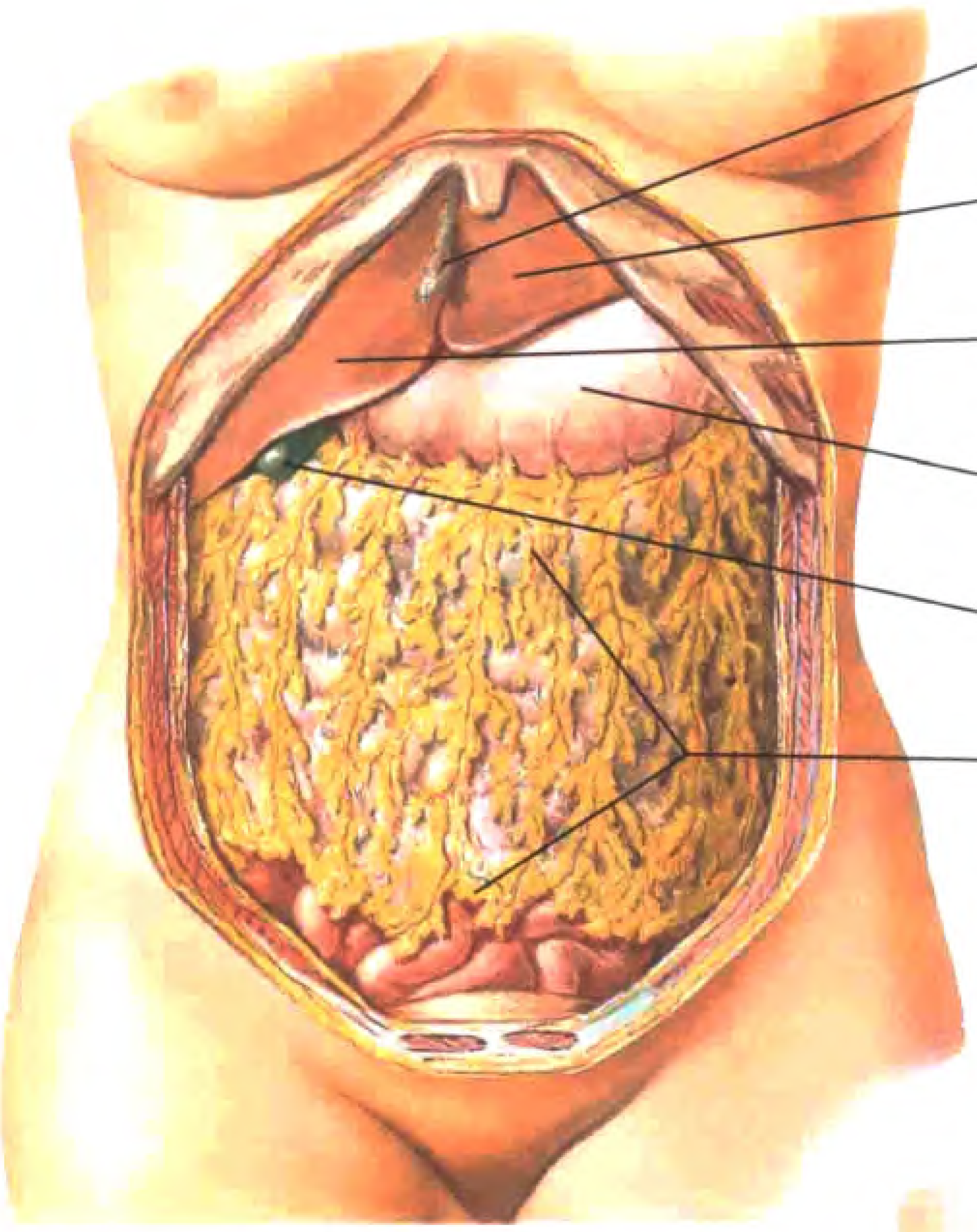
参见图 192，379，381



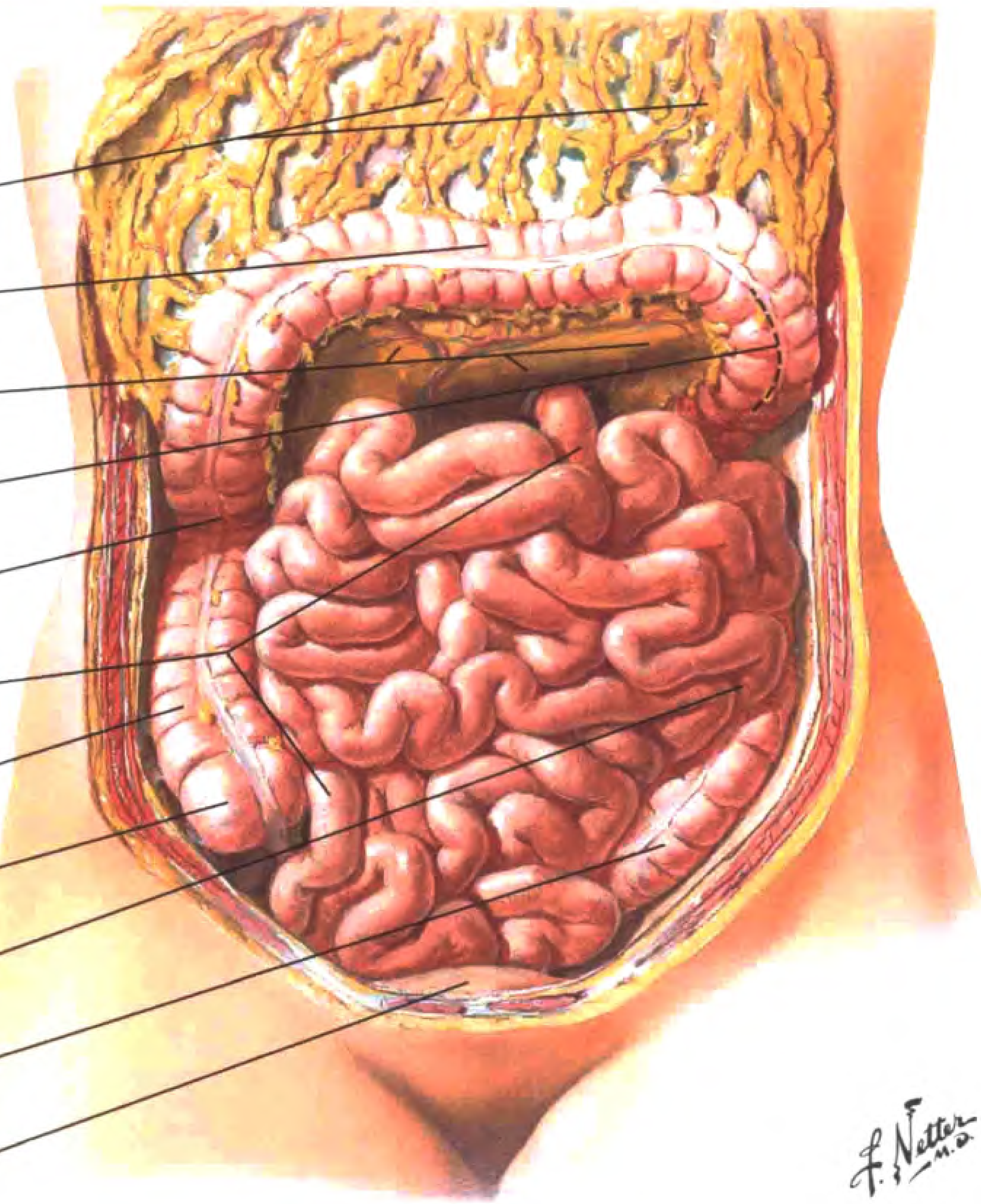

Inferior phrenic veins 膈下静脉
Inferior vena cava 下腔静脉
Right inferior suprarenal vein 右肾上腺下静脉
Right renal vein 右肾静脉
Psoas major muscle (cut) 腰大肌(切断)
Quadratus lumborum muscle 腰方肌
Subcostal vein 肋下静脉
1st to 4th right lumbar veins 第1~4右腰静脉
Iliolumbar vein 髂腰静脉
Common iliac vein 髂总静脉
Ovarian (testicular) veins and ureter (cut) 卵巢(睾丸静脉)和输尿管(切开)
Internal iliac vein 髂内静脉
Median sacral vein 骶正中静脉
Lateral sacral veins 骶外侧静脉
Deep circumflex iliac vein 旋髂深静脉
Superficial circumflex liac vein 旋髂浅静脉
Inferior epigastric vein (cut) 腹壁下静脉(切断)
Superficial epigastric vein (cut) 腹壁浅静脉(切断)
Pubic (obturator anastomotic) vein 耻骨静脉(与闭孔静脉吻合)
Femoral vein 股静脉
Great saphenous vein 大隐静脉
External pudendal vein 阴部外静脉
Diaphragm 膈
Anterior abdominal wall (turned down) 腹前壁(翻向下)
Hepatic veins 肝静脉
Esophagus 食管
Left suprarenal veins and anastomosis with inferior phrenic vein 左肾上腺静脉与膈下静脉吻合
Left renal vein 左肾静脉
Ovarian (testicular) veins 卵巢(睾丸)静脉
Ascending lumbar veins 腰升静脉
Common iliac vein 髂总静脉
Internal iliac vein 髂内静脉
Superior gluteal vein 臀上静脉
Inferior gluteal vein 臀下静脉
Internal pudendal vein 阴部内静脉
External iliac vein 髂外静脉
Middle rectal vein 直肠中静脉
Uterine vein 子宫静脉
Superior vesical vein 膀胱上静脉
Deep circumflex iliac vein 旋髂深静脉
Obturator vein 闭孔静脉
Round ligament of uterus 子宫圆韧带
Inferior epigastric vein 腹壁下静脉丛
Rectal venous plexus 直肠静脉丛
Uterovaginal venous plexus 子宫阴道静脉丛
Vesical venous plexus 膀胱静脉丛


Thoracic duct
胸导管
Right subclavian trunk
右锁骨下干
Tracheobronchial nodes
气管支气管淋巴结
Inferior phrenic nodes
膈下淋巴结
Thoracic duct
胸导管
Celiac nodes
腹腔淋巴结
Cisterna chyli
乳糜池
Superior mesenteric nodes
肠系膜上淋巴结
Visceral (pre-aortic) lymph nodes
内脏(主动脉前)淋巴结
Right lumbar trunk
右腰干
Inferior mesenteric node
肠系膜下淋巴结
Intestinal trunk
肠干
Left lumbar trunk
左腰干
Lumbar nodes (lateral aortic nodes)
腰淋巴结(主动脉外淋巴结)
Common iliac nodes
髂总淋巴结
Common iliac nodes
髂总淋巴结
Middle sacral nodes
骶正中淋巴结
Internal iliac nodes
髂内淋巴结
External iliac nodes
髂外淋巴结
Lateral sacral nodes
骶外侧淋巴结
Superficial inguinal nodes (superior, horizontal, and inferior [vertical] groups)
腹股沟浅淋巴结(上组、水平组和下组[垂直组])
Inferior epigastric node
腹壁下淋巴结
Node of Cloquet, or Rosenmüller (highest deep inguinal node)
腹股沟最上淋巴结
Deep inguinal nodes
腹股沟深淋巴结


Greater, lesser, and least splanchnic nerves
内脏大、小和最小神经
Sympathetic trunks
交感干
Subcostal nerve (T12)
肋下神经(T12)
Iliohypogastric nerve (L1) 髂腹下神经(L1)
Ilio-inguinal nerve (L1)
髂腹股沟神经(L1)
Genitofemoral nerve (L1, 2)
生殖股神经(L1,L2)
Transversus abdominis muscle (cut)
腹横肌(切断)
Subcostal nerve (T12) and its lateral cutaneous branch
肋下神经(T12)及其外侧皮支
肠系膜间丛(腹主动脉旁丛) Intermesenteric (para-aortic) plexus
Gray and white rami communicantes
灰和白交通支
Gray rami communicantes
灰交通支
Lateral femoral cutaneous nerve (L2, 3)
股外侧皮神经(L2,L3)
Femoral nerve (L2-L4)
股神经(L2~L4)
腹腔神经节、肠系膜上神经节及主动脉肾节
Celiac, superior mesenteric, and aorticorenal ganglia
Iliohypogastric nerve (L1) 髂腹下神经(L1)
Ilio-inguinal nerve (L1) 髂腹股沟神经(L1)
Muscular branches from lumbar plexus
发自腰丛的肌支
Subcostal nerve (T12)
肋下神经(T12)
Psoas major muscle (cut)
腰大肌(切断)
Quadratus lumborum muscle
腰方肌
Iliohypogastric nerve (L1)
髂腹下神经(L1)
Ilio-inguinal nerve (L1)
髂腹股沟神经(L1)
Genitofemoral nerve (L1, 2)
生殖股神经(L1,L2)
Lateral femoral cutaneous nerve (L2, 3) 股外侧皮神经(L2,L3)
Femoral branch, Genital branch of genitofemoral nerve (L1, 2) 生殖股神经股支和生殖支(L1,L2)
Lumbosacral trunks (L4, 5)
腰骶干(L4,L5)
Obturator nerves
闭孔神经
Accessory obturator nerve (L3, 4) (occasional)
副闭孔神经(L3,L4)
Femoral nerve 股神经
Lumbosacral plexus (L4-S4)
腰骶丛(L4~S4)
Pudendal nerve (S2, 3, 4)
阴部神经(S2~S4)
Obturator nerve (L2, 3, 4)
闭孔神经(L2~L4)
Anterior cutaneous branch of iliohypogastric nerve (L1)
髂腹下神经前皮支(L1)
Anterior scrotal (labial) branches of ilio-inguinal nerve (L1)
髂腹股沟神经的阴囊(阴唇)前支
Genital branch 生殖支
Femoral branches 股支
of genitofemoral nerve (L1, 2) 生殖骨神经(L1,L2)
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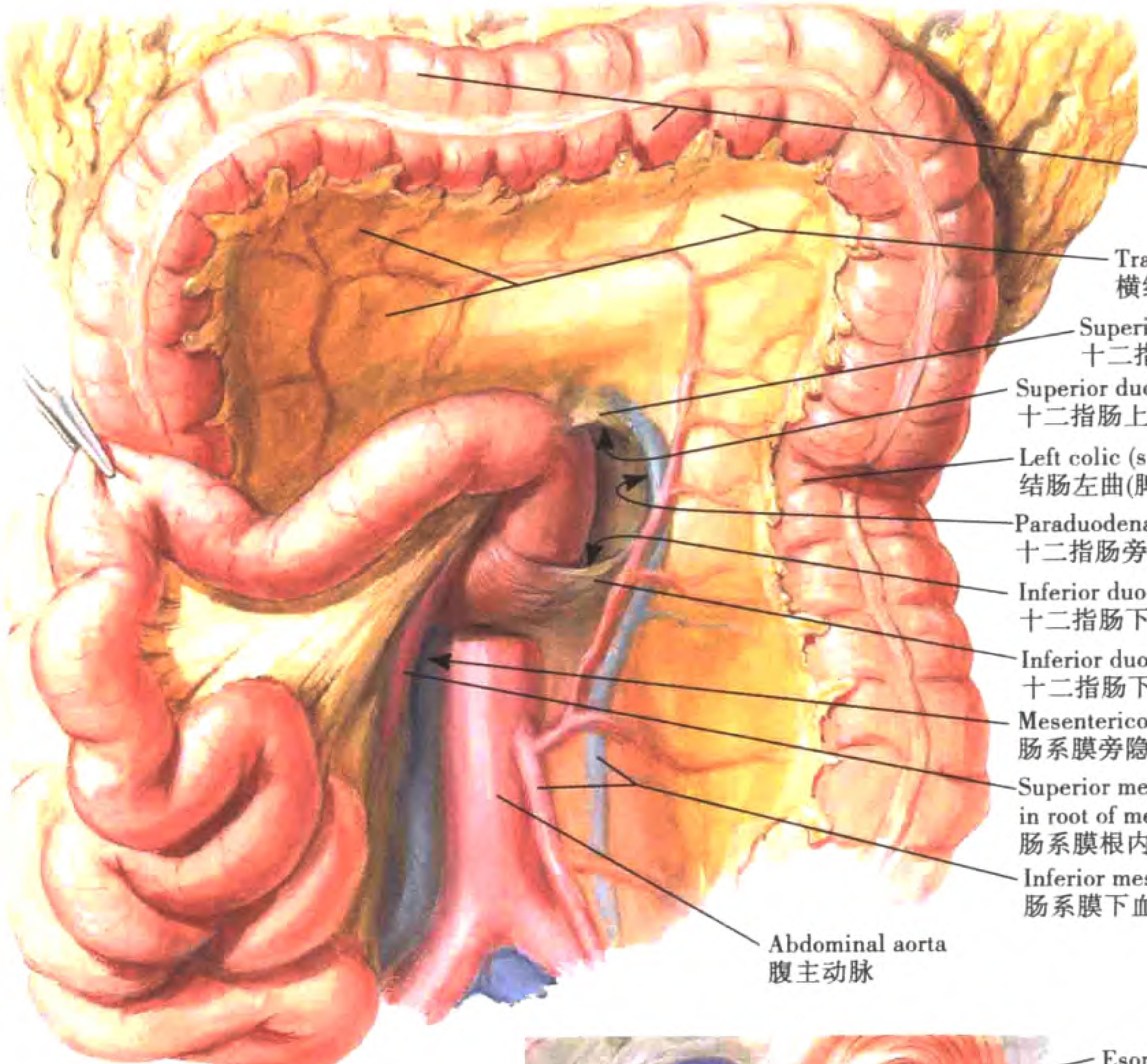


Falciform ligament
镰状韧带
Left lobe of liver
肝左叶
Right lobe of liver
肝右叶
Stomach
胃
Gallbladder
胆囊
Greater omentum overlying transverse colon and small intestine (jejunum and ileum)
覆盖横结肠和小肠(空肠和回肠)的大网膜



Greater omentum (turned up)
大网膜(翻向上)
Transverse colon (turned up)
横结肠(翻向上)
Transverse mesocolon
横结肠系膜
Left colic (splenic) flexure
结肠左曲(脾曲)
Right colic (hepatic) flexure
结肠右曲(肝曲)
Small intestine (jejunum and ileum)
小肠(空肠和回肠)
Ascending colon
升结肠
Cecum
盲肠
Small intestine (covering descending colon)
小肠(覆盖降结肠)
Sigmoid colon
乙状结肠
Urinary bladder
膀胱

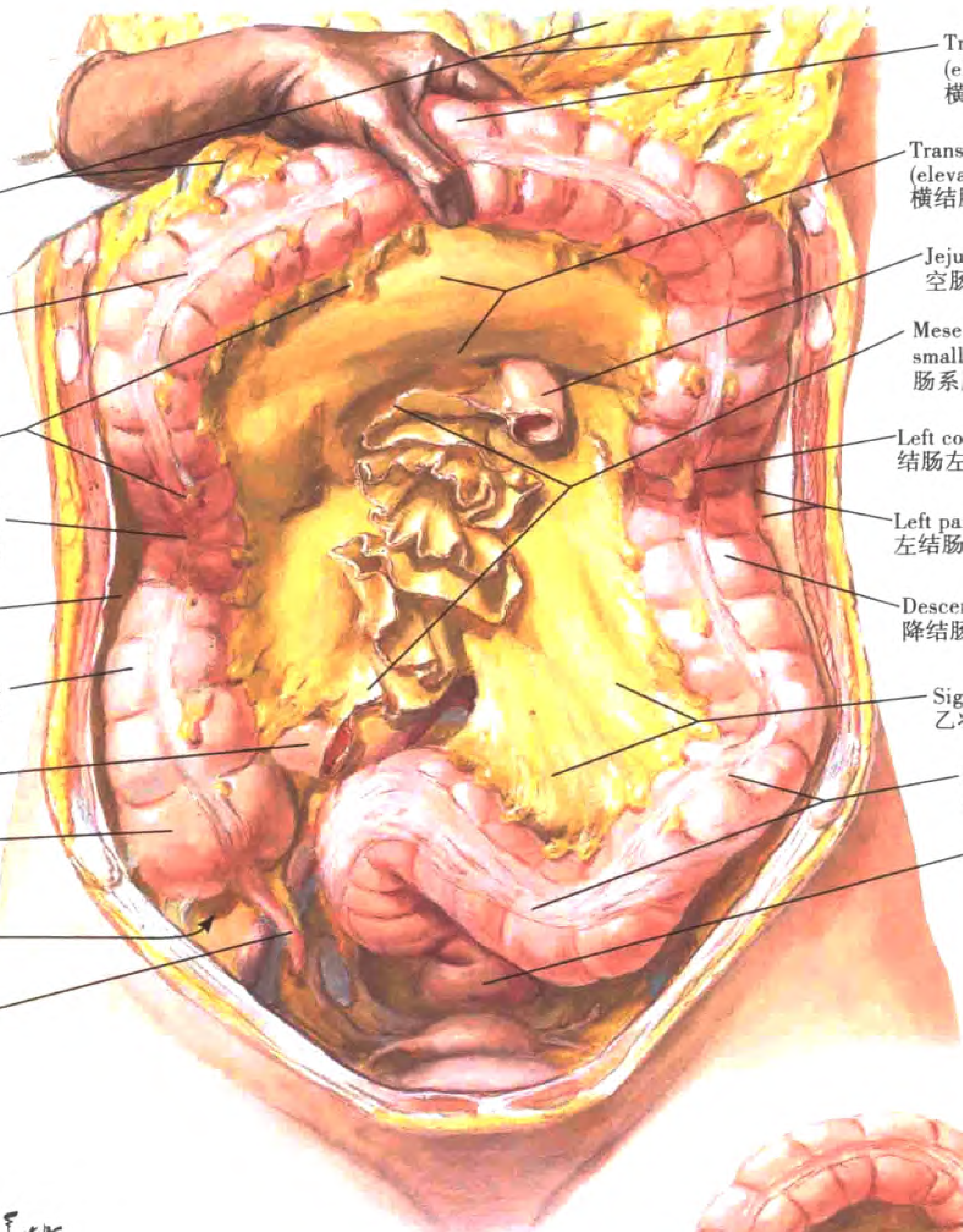
图 263 腹膜腔



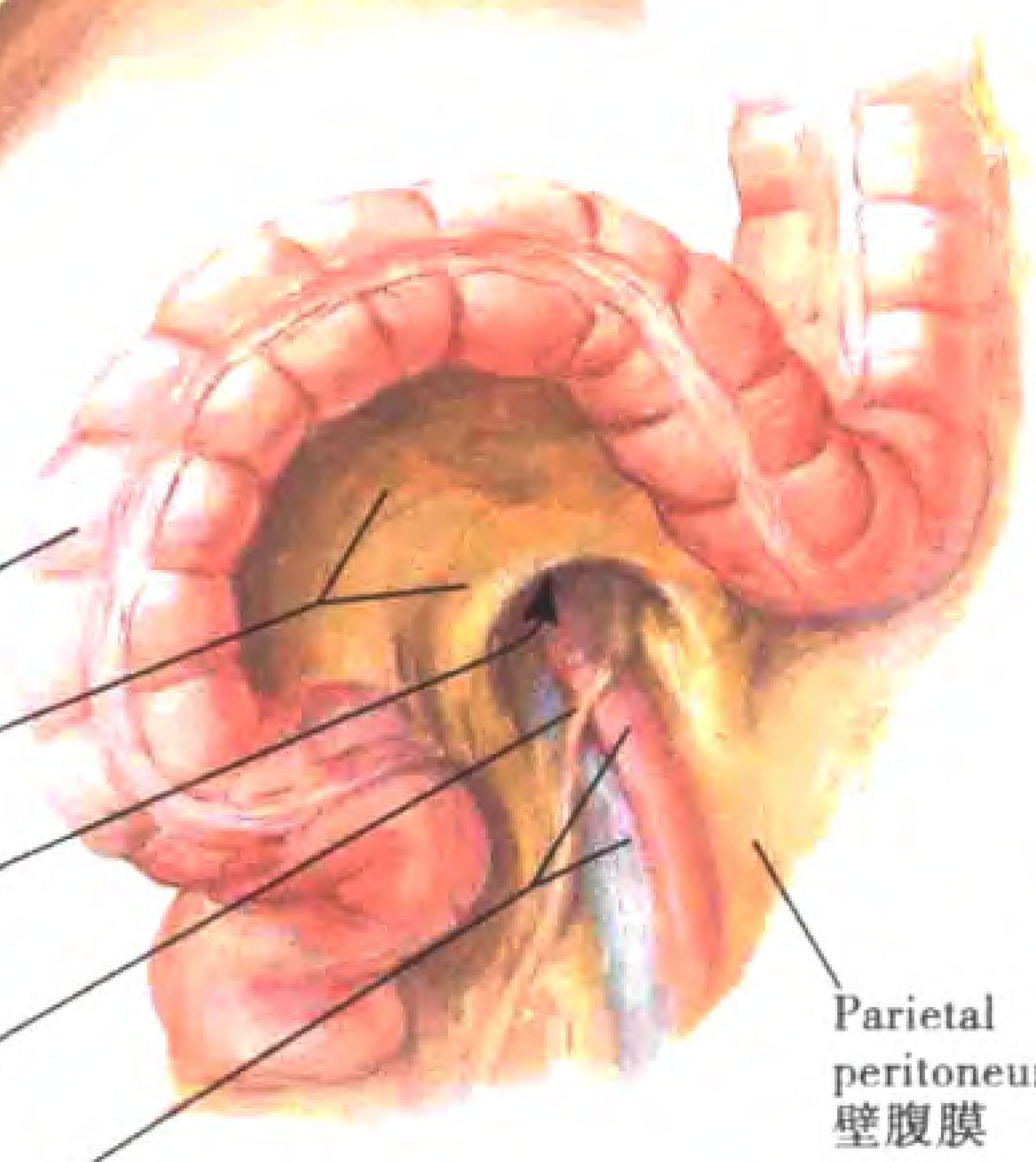
Exposure of suspensory muscle of duodenum (ligament of Treitz)
暴露的十二指肠悬肌 (Treitz韧带)



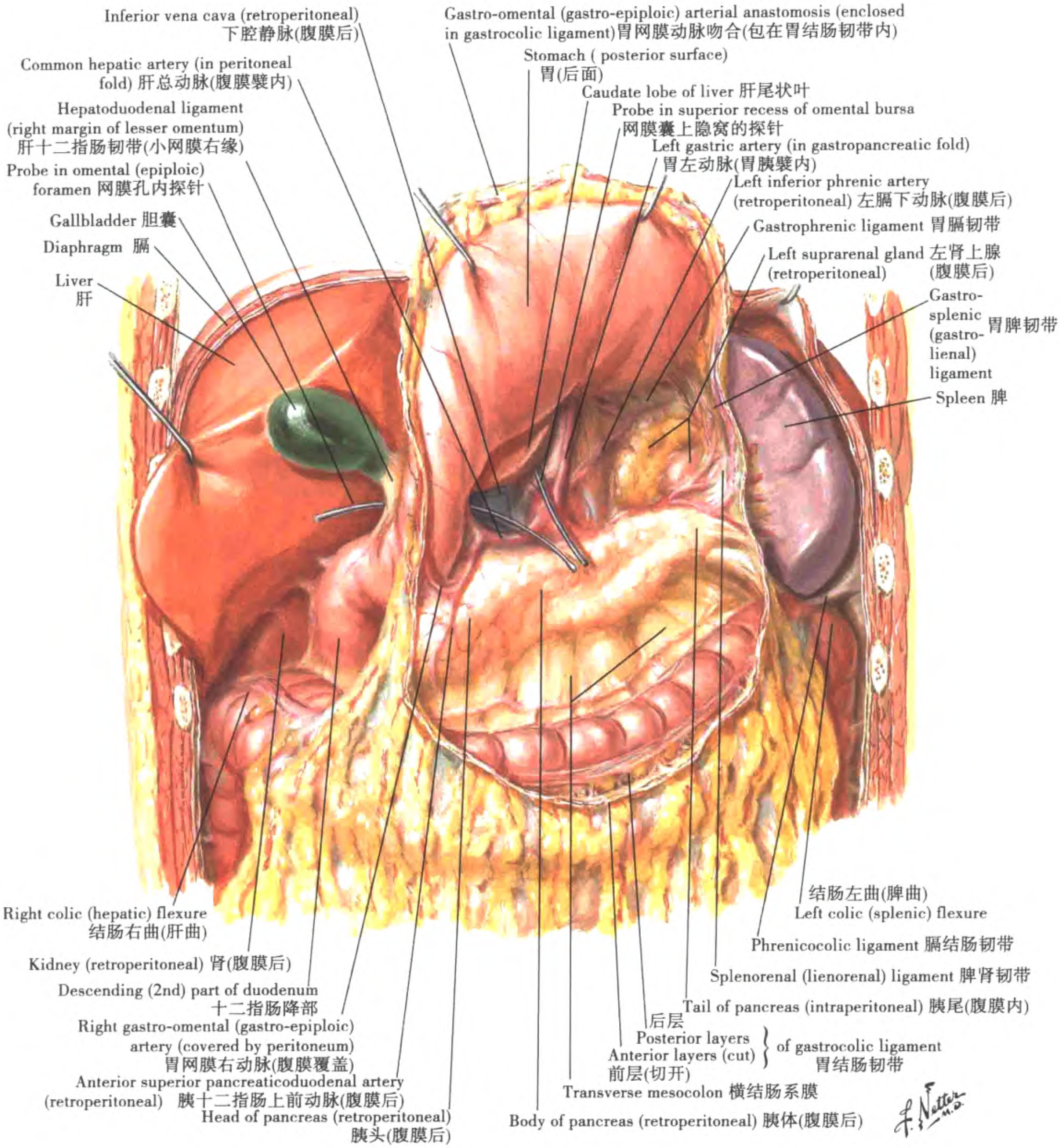
图 264 腹膜腔

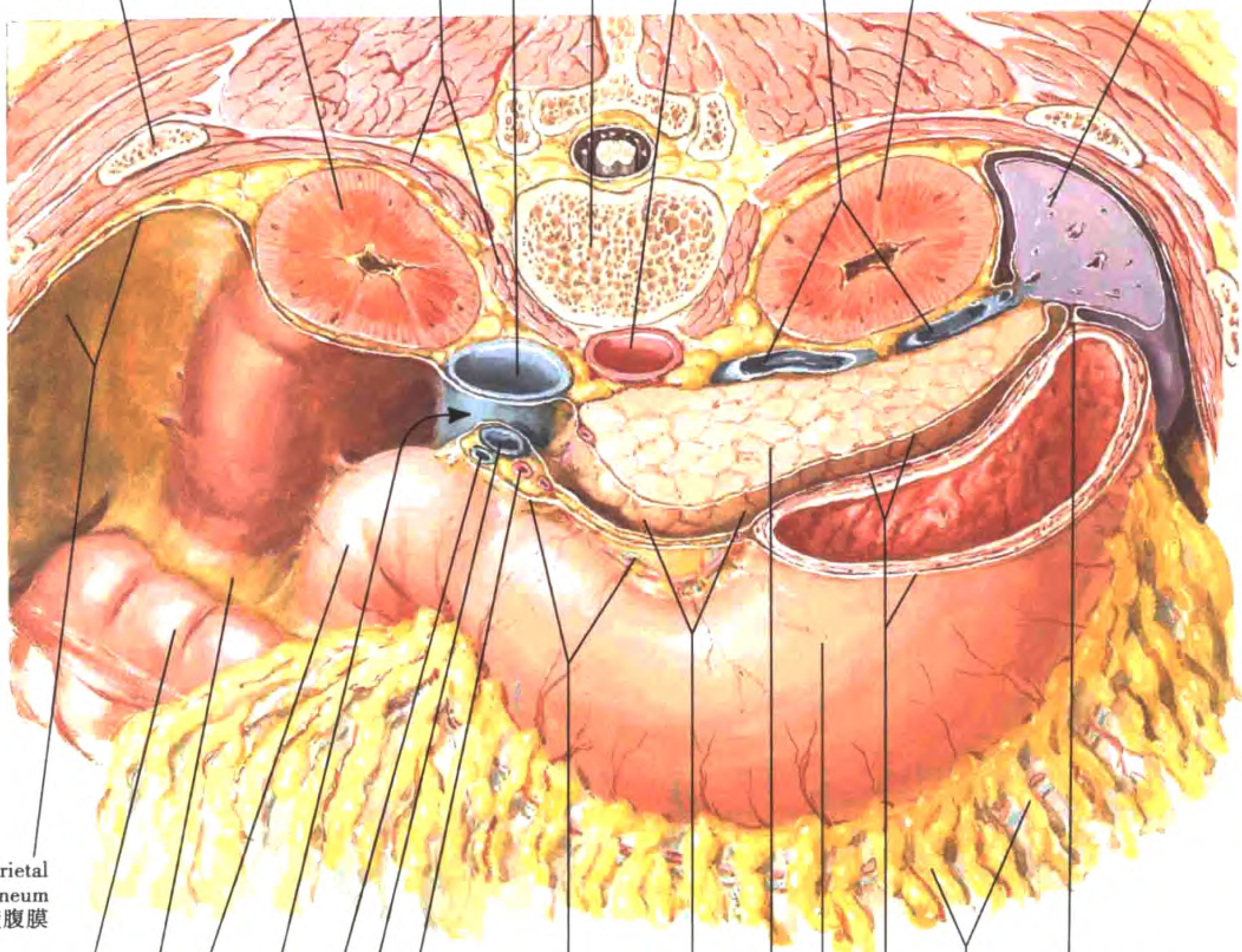


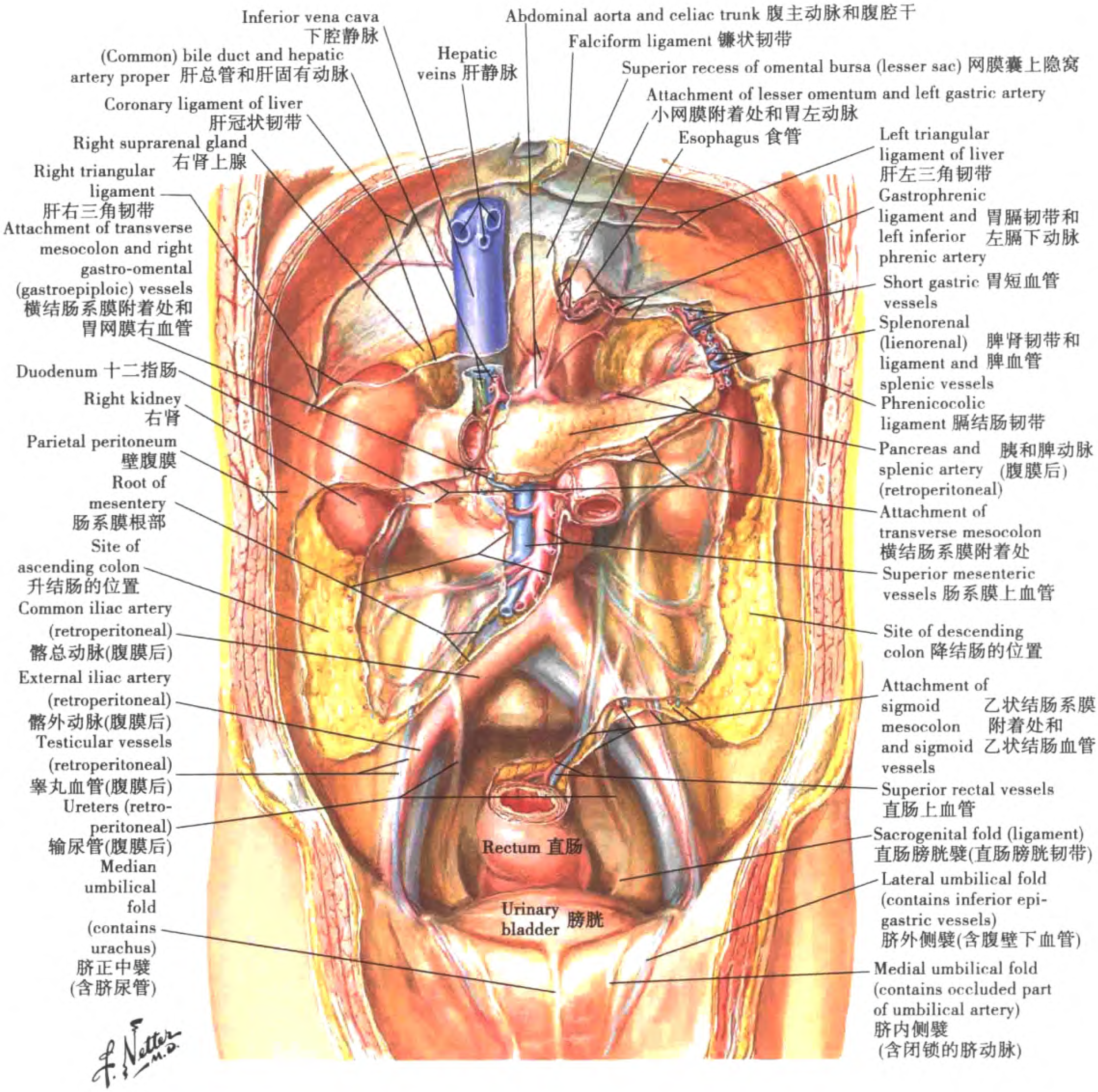
Transverse colon (elevated)
横结肠(拉起)
Transverse mesocolon (elevated over pancreas)
横结肠系膜(拉起并覆盖胰)
Jejunum (cut)
空肠(切断)
Mesentery (cut and small intestine removed)
肠系膜(切并移除小肠)
Left colic (splenic) flexure
结肠左曲(脾曲)
Left paracolic gutter
左结肠旁沟
Descending colon
降结肠
Sigmoid mesocolon
乙状结肠系膜
Sigmoid colon
乙状结肠
Rectum
直肠
Greater omentum (elevated)
大网膜(拉起)
Free taenia
游离结肠带
Omental (epiploic) appendices
肠脂垂
Right colic (hepatic) flexure
结肠右曲(肝曲)
Right paracolic gutter
右结肠旁沟
Ascending colon
升结肠
Terminal part of ileum (cut)
回肠末端(切断)
Cecum
盲肠
Retrocecal recess
盲肠后隐窝
Vermiform appendix
阑尾

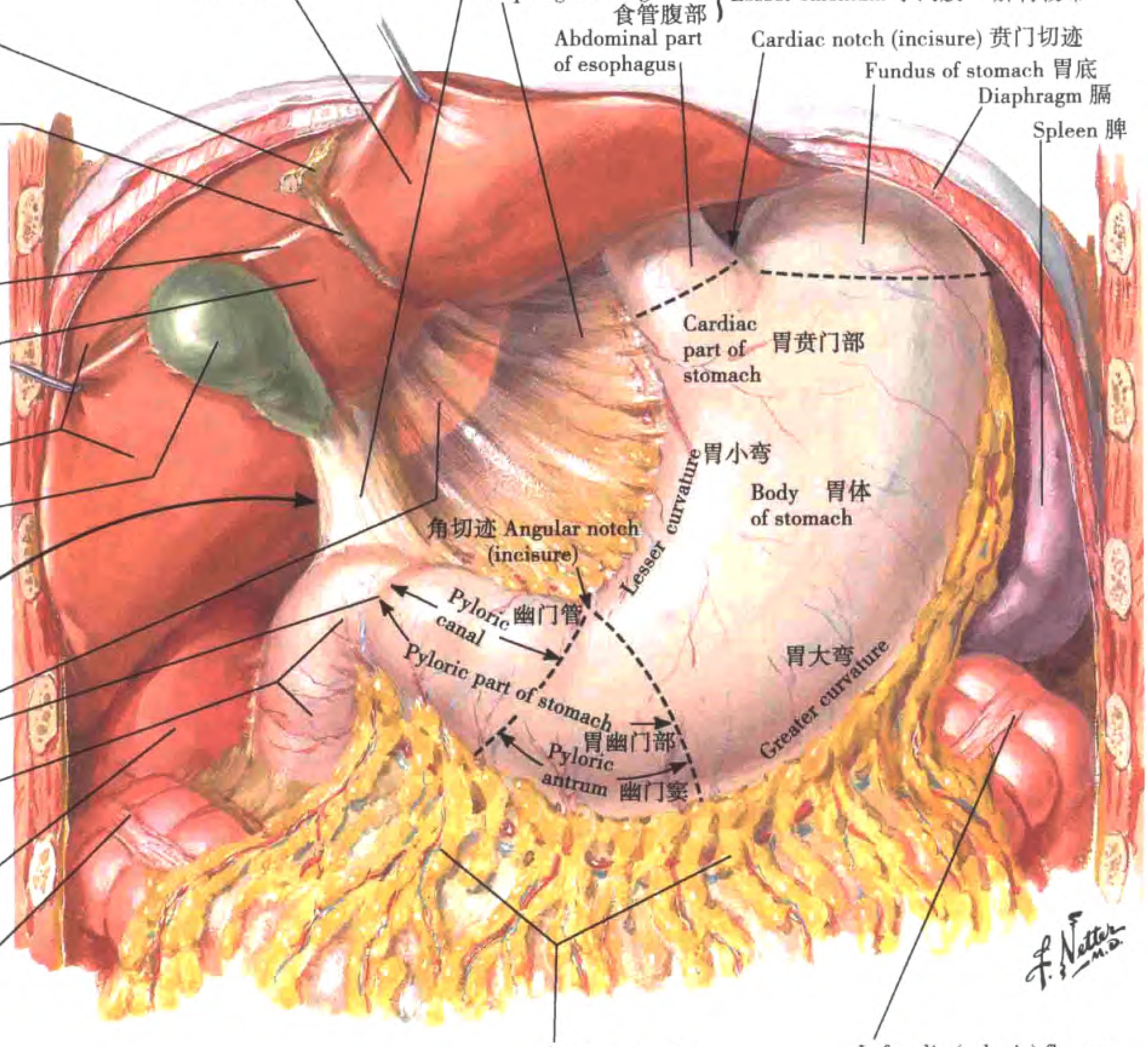


Sigmoid colon (reflected)
乙状结肠(翻向上)
Sigmoid mesocolon
乙状结肠系膜
Intersigmoid recess
乙状结肠间隐窝
Ureter
输尿管
Common iliac vessels
髂总血管
Parietal peritoneum
壁腹膜

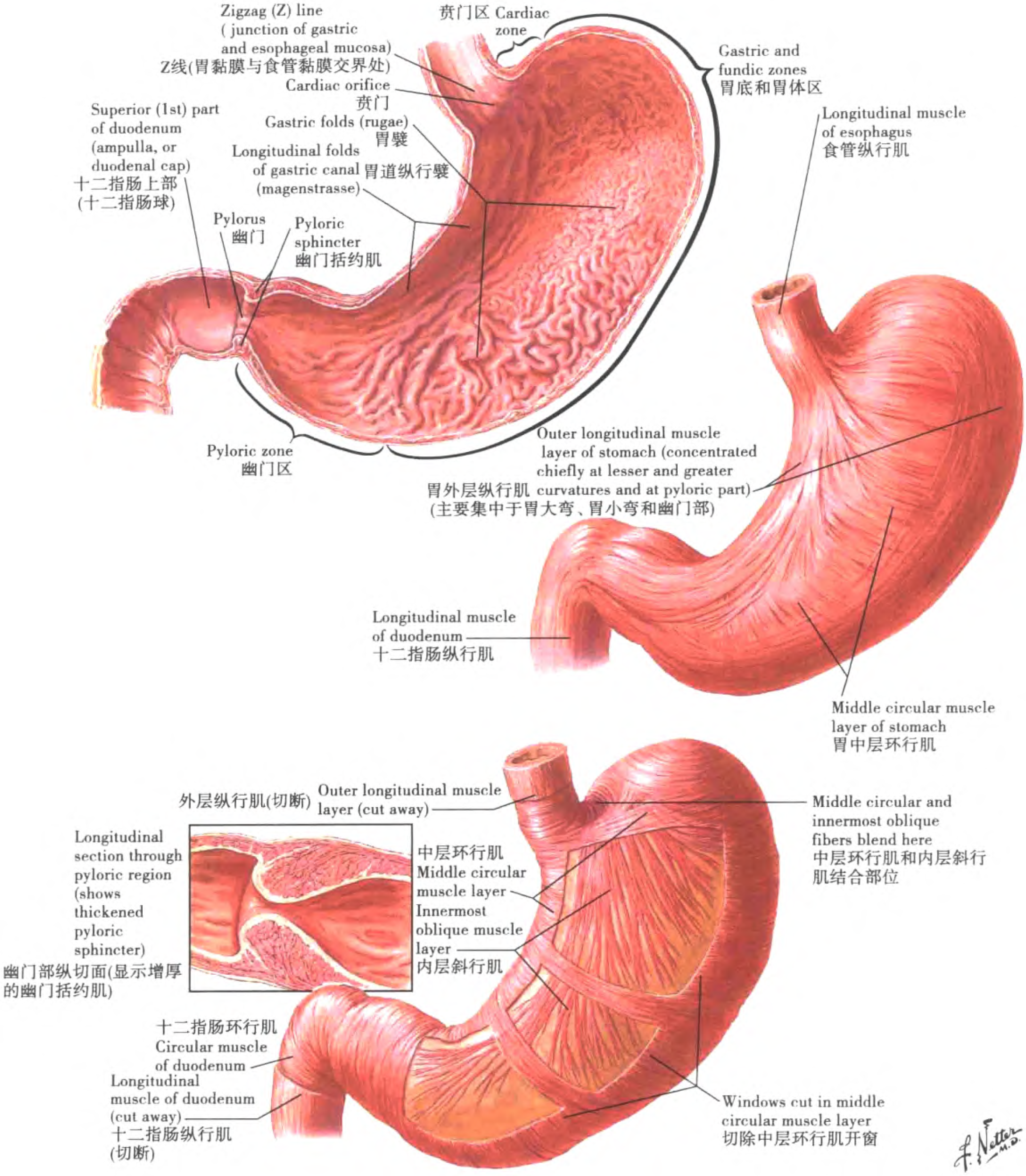

Inferior vena cava (retroperitoneal) 下腔静脉(腹膜后)
Common hepatic artery (in peritoneal fold) 肝总动脉(腹膜襞内)
Hepatoduodenal ligament (right margin of lesser omentum) 肝十二指肠韧带(小网膜右缘)
Probe in omental (epiploic) foramen 网膜孔内探针
Gallbladder 胆囊
Diaphragm 膈
Liver 肝
Gastro-omental (gastro-epiploic) arterial anastomosis (enclosed in gastrocolic ligament) 胃网膜动脉吻合(包在胃结肠韧带内)
Stomach (posterior surface) 胃(后面)
Caudate lobe of liver 肝尾状叶
Probe in superior recess of omental bursa 网膜囊上隐窝的探针
Left gastric artery (in gastropancreatic fold) 胃左动脉(胃胰襞内)
Left inferior phrenic artery (retroperitoneal) 左膈下动脉(腹膜后)
Gastrophrenic ligament 胃膈韧带
Left suprarenal gland (retroperitoneal) 左肾上腺(腹膜后)
Gastrosplenic (gastrolienal) ligament 胃脾韧带
Spleen 脾
Right colic (hepatic) flexure 结肠右曲(肝曲)
Kidney (retroperitoneal) 肾(腹膜后)
Descending (2nd) part of duodenum 十二指肠降部
Right gastro-omental (gastro-epiploic) artery (covered by peritoneum) 胃网膜右动脉(腹膜覆盖)
Anterior superior pancreaticoduodenal artery (retroperitoneal) 胰十二指肠上前动脉(腹膜后)
Head of pancreas (retroperitoneal) 胰头(腹膜后)
结肠左曲(脾曲) Left colic (splenic) flexure
Phrenicocolic ligament 膈结肠韧带
Splenorenal (lienorenal) ligament 脾肾韧带
Tail of pancreas (intraperitoneal) 胰尾(腹膜内)
后层 Posterior layers
Anterior layers (cut) 前层(切开)
of gastrocolic ligament 胃结肠韧带
Transverse mesocolon 横结肠系膜
Body of pancreas (retroperitoneal) 胰体(腹膜后)
F. Netter M.D.


Vertebral body of L1 第 1 腰椎椎体
Inferior vena cava 下腔静脉
Abdominal aorta 腹主动脉
Diaphragm 膈
Splenic vein 脾静脉
肋骨 Rib
Right kidney 右肾
Left kidney 左肾
Spleen 脾
Parietal peritoneum 壁腹膜
Transverse colon 横结肠
Transverse mesocolon 横结肠系膜
Duodenum 十二指肠
Omental (epiploic) foramen (of Winslow) 网膜孔 (Winslow孔)
Portal triad 肝三联管
(Common) bile duct 胆总管
Hepatic portal vein 肝门静脉
Hepatic artery proper 肝固有动脉
Gastrosplenic (gastrolienal) ligament 胃脾韧带
Greater omentum 大网膜
Visceral peritoneum (cut edges) 脏腹膜(切缘)
Stomach 胃
Pancreas 胰
Omental bursa (lesser sac) 网膜囊
Lesser omentum (hepatoduodenal and hepatogastric ligaments) 小网膜(肝十二指肠韧带和肝胃韧带)


Inferior vena cava 下腔静脉
(Common) bile duct and hepatic artery proper 肝总管和肝固有动脉
Coronary ligament of liver 肝冠状韧带
Right suprarenal gland 右肾上腺
Right triangular ligament 肝右三角韧带
Attachment of transverse mesocolon and right gastro-omental (gastroepiploic) vessels 横结肠系膜附着处和胃网膜右血管
Duodenum 十二指肠
Right kidney 右肾
Parietal peritoneum 壁腹膜
Root of mesentery 肠系膜根部
Site of ascending colon 升结肠的位置
Common iliac artery (retroperitoneal) 髂总动脉(腹膜后)
External iliac artery (retroperitoneal) 髂外动脉(腹膜后)
Testicular vessels (retroperitoneal) 睾丸血管(腹膜后)
Ureters (retro-peritoneal) 输尿管(腹膜后)
Median umbilical fold (contains urachus) 脐正中襞(含脐尿管)
Hepatic veins 肝静脉
Abdominal aorta and celiac trunk 腹主动脉和腹腔干
Falciform ligament 镰状韧带
Superior recess of omental bursa (lesser sac) 网膜囊上隐窝
Attachment of lesser omentum and left gastric artery 小网膜附着处和胃左动脉
Esophagus 食管
Left triangular ligament of liver 肝左三角韧带
Gastrophrenic ligament and left inferior phrenic artery 胃膈韧带和左膈下动脉
Short gastric vessels 胃短血管
Splenorenal (lienorenal) ligament and splenic vessels 脾肾韧带和脾血管
Phrenicocolic ligament 膈结肠韧带
Pancreas and splenic artery (retroperitoneal) 胰和脾动脉(腹膜后)
Attachment of transverse mesocolon 横结肠系膜附着处
Superior mesenteric vessels 肠系膜上血管
Site of descending colon 降结肠的位置
Attachment of sigmoid mesocolon and sigmoid vessels 乙状结肠系膜附着处和乙状结肠血管
Superior rectal vessels 直肠上血管
Sacrogenital fold (ligament) 直肠膀胱襞(直肠膀胱韧带)
Lateral umbilical fold (contains inferior epigastric vessels) 脐外侧襞(含腹壁下血管)
Medial umbilical fold (contains occluded part of umbilical artery) 脐内侧襞(含闭锁的脐动脉)
Rectum 直肠
Urinary bladder 膀胱
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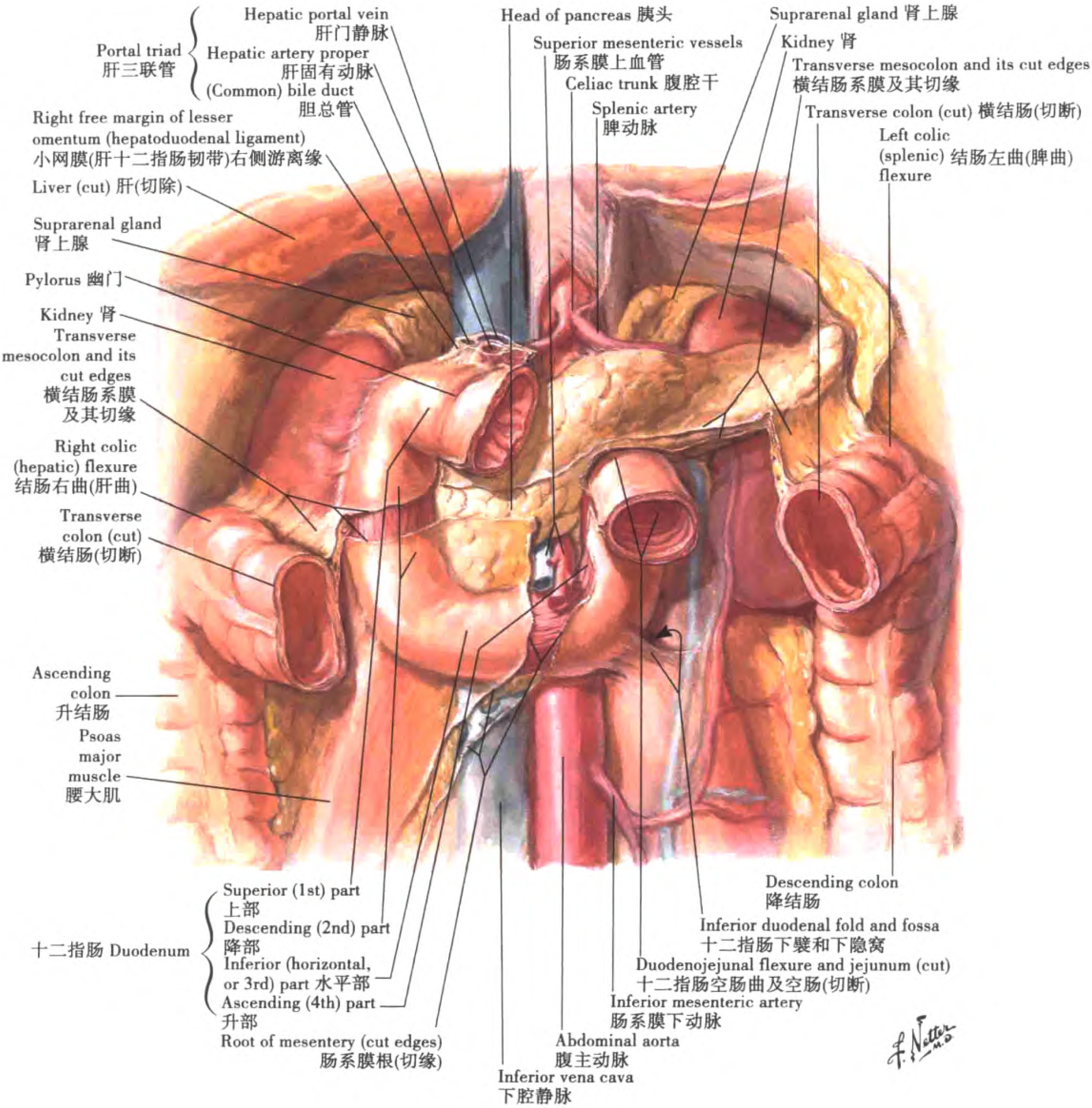


肝十二指肠韧带
Left lobe of liver 肝左叶
Hepatoduodenal ligament
Hepatogastric ligament
Lesser omentum 小网膜
肝胃韧带
Falciform ligament 镰状韧带
食管腹部
Abdominal part of esophagus
Cardiac notch (incisure) 贲门切迹
Fundus of stomach 胃底
Diaphragm 膈
Round ligament of liver (obliterated left umbilical vein) 肝圆韧带 (闭锁的脐静脉)
Spleen 脾
Inferior border of liver 肝下缘
Cardiac part of stomach 胃贲门部
Quadrate lobe of liver 肝方叶
Right lobe of liver 肝右叶
胃小弯
Lesser curvature
Body of stomach 胃体
Gallbladder 胆囊
角切迹 Angular notch (incisure)
Omental (epiploic) foramen (of Winslow) 网膜孔(Winslow孔)
Pyloric canal 幽门管
Caudate lobe of liver 肝尾状叶
Pyloric part of stomach 胃幽门部
胃大弯
Greater curvature
Pylorus 幽门
Pyloric antrum 幽门窦
Duodenum 十二指肠
Right kidney (retro-peritoneal) 右肾(腹膜后)
Right colic (hepatic) flexure 结肠右曲(肝曲)
Greater omentum 大网膜
Left colic (splenic) flexure 结肠左曲(脾曲)

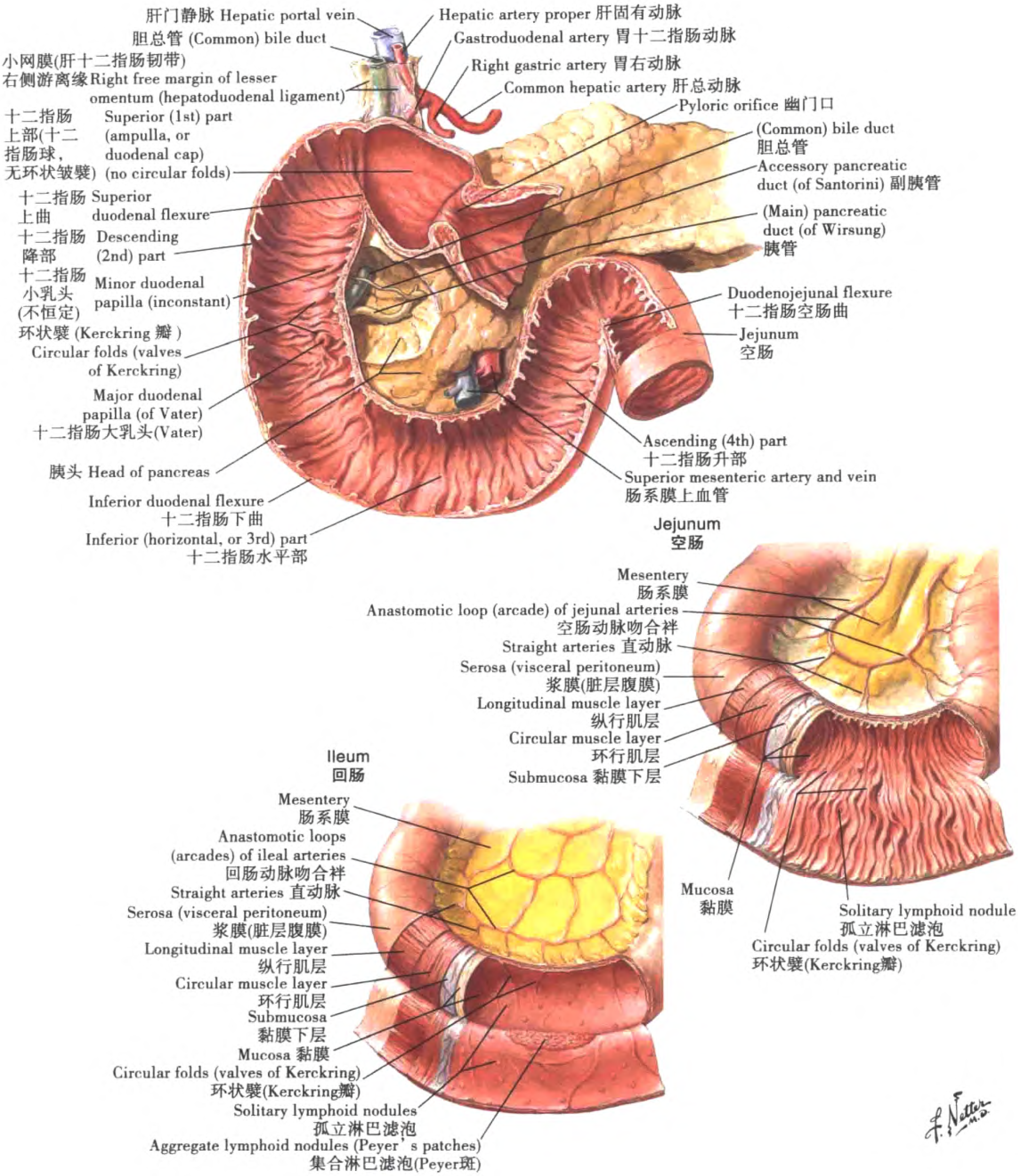

Zigzag (Z) line (junction of gastric and esophageal mucosa)
Z线(胃黏膜与食管黏膜交界处)
贲门区 Cardiac zone
Cardiac orifice
贲门
Gastric and fundic zones
胃底和胃体区
Superior (1st) part of duodenum (ampulla, or duodenal cap)
十二指肠上部
(十二指肠球)
Gastric folds (rugae)
胃襞
Longitudinal folds of gastric canal 胃道纵行襞 (magenstrasse)
Longitudinal muscle of esophagus
食管纵行肌
Pylorus
幽门
Pyloric sphincter
幽门括约肌
Pyloric zone
幽门区
Outer longitudinal muscle layer of stomach (concentrated chiefly at lesser and greater curvatures and at pyloric part)
胃外层纵行肌
(主要集中于胃大弯、胃小弯和幽门部)
Longitudinal muscle of duodenum
十二指肠纵行肌
Middle circular muscle layer of stomach
胃中层环行肌
外层纵行肌(切断) Outer longitudinal muscle layer (cut away)
Middle circular and innermost oblique fibers blend here
中层环行肌和内层斜行肌结合部位
Longitudinal section through pyloric region (shows thickened pyloric sphincter)
幽门部纵切面(显示增厚的幽门括约肌)
中层环行肌
Middle circular muscle layer
Innermost oblique muscle layer
内层斜行肌
十二指肠环行肌
Circular muscle of duodenum
Longitudinal muscle of duodenum (cut away)
十二指肠纵行肌
(切断)
Windows cut in middle circular muscle layer
切除中层环行肌开窗
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十二指肠(原位)

参见图 268

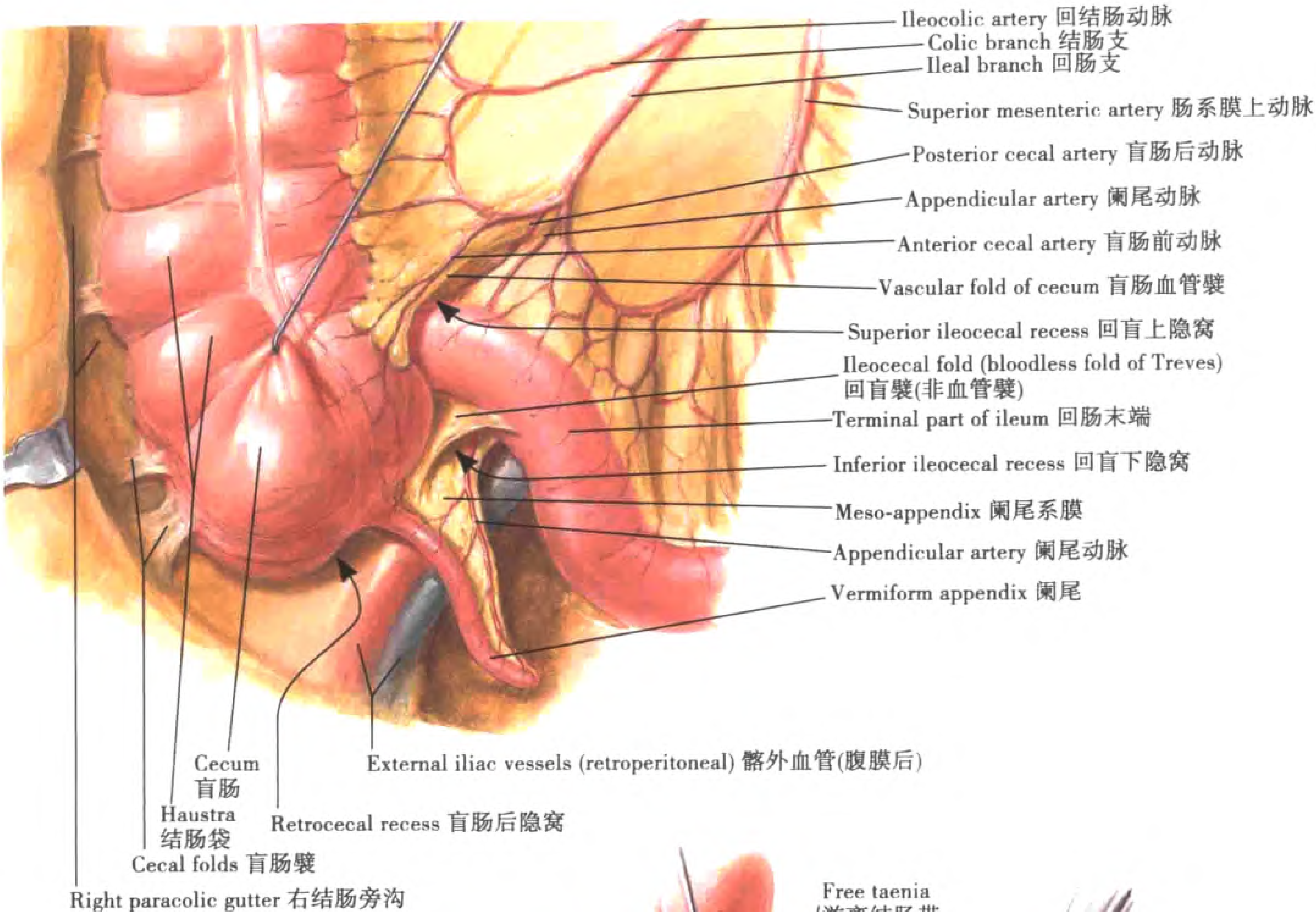


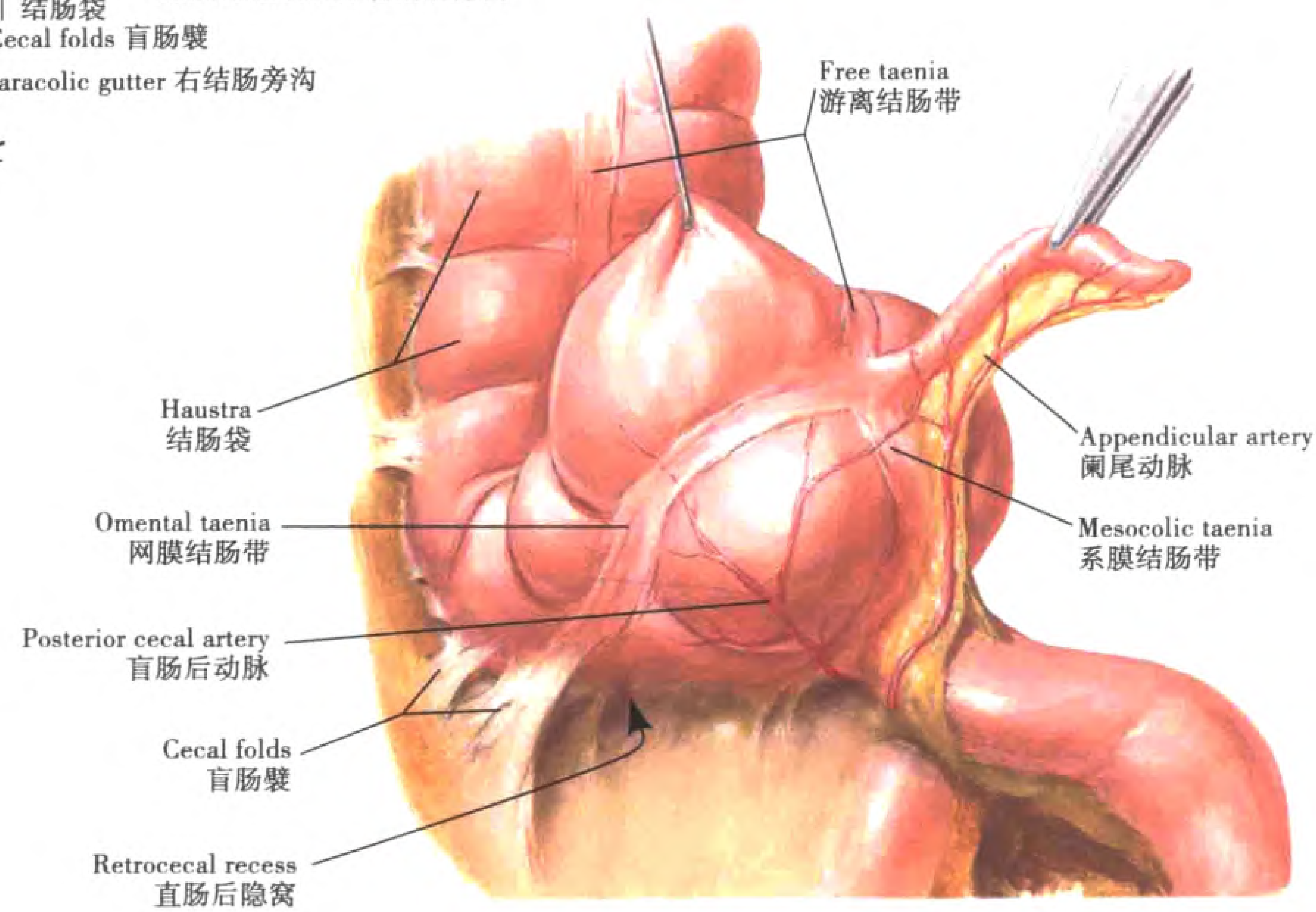
参见图 270

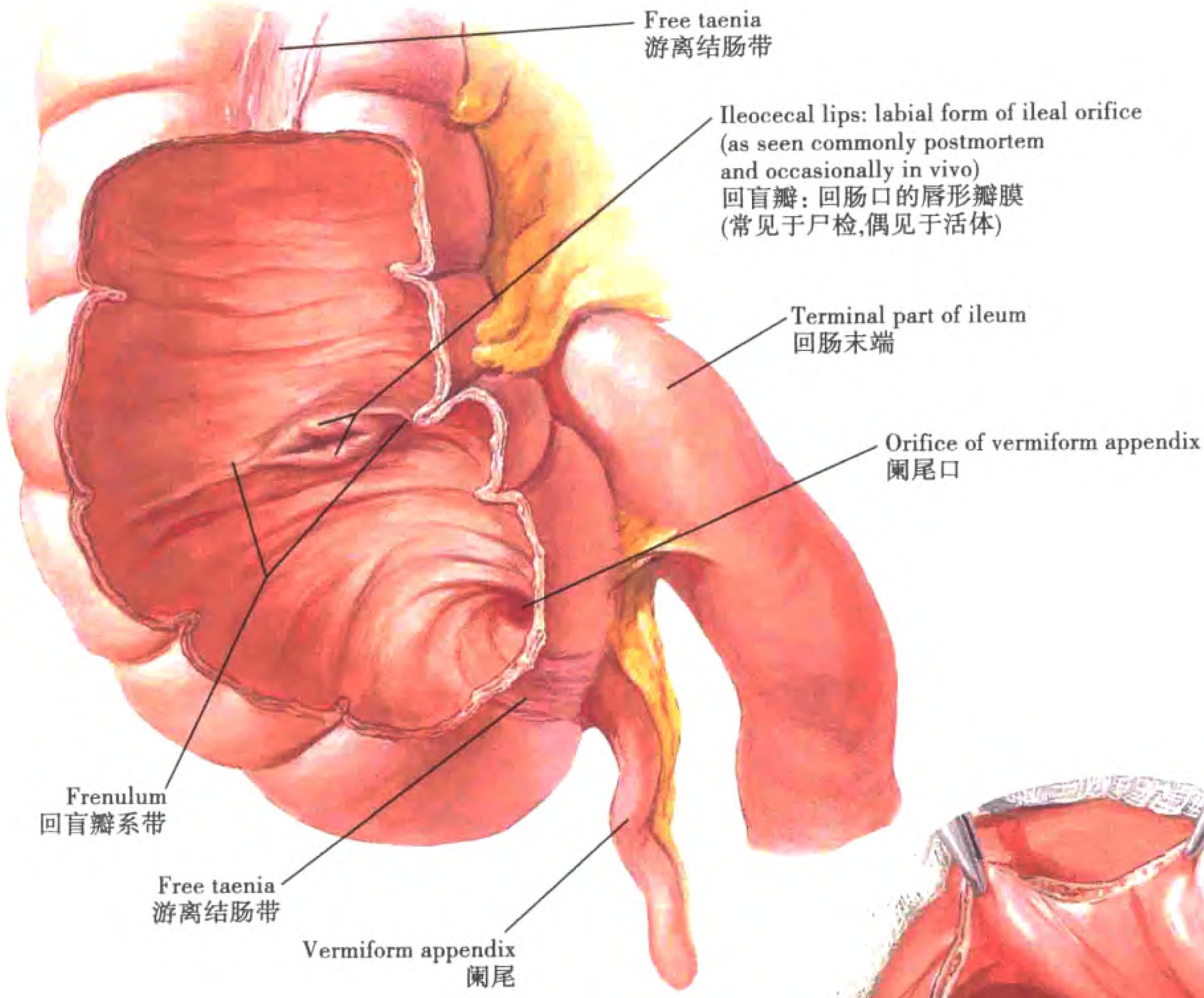

肝门静脉 Hepatic portal vein
胆总管 (Common) bile duct
小网膜(肝十二指肠韧带)
右侧游离缘 Right free margin of lesser
omentum (hepatoduodenal ligament)
十二指肠
上部(十二
指肠球,
无环状皱襞)
Superior (1st) part
(ampulla, or
duodenal cap)
(no circular folds)
十二指肠
上曲
Superior
duodenal flexure
十二指肠
降部
Descending
(2nd) part
十二指肠
小乳头
(不恒定)
Minor duodenal
papilla (inconstant)
环状襞 (Kerckring 瓣)
Circular folds (valves
of Kerckring)
Major duodenal
papilla (of Vater)
十二指肠大乳头(Vater)
胰头 Head of pancreas
Inferior duodenal flexure
十二指肠下曲
Inferior (horizontal, or 3rd) part
十二指肠水平部
Hepatic artery proper 肝固有动脉
Gastroduodenal artery 胃十二指肠动脉
Right gastric artery 胃右动脉
Common hepatic artery 肝总动脉
Pyloric orifice 幽门口
(Common) bile duct
胆总管
Accessory pancreatic
duct (of Santorini) 副胰管
(Main) pancreatic
duct (of Wirsung)
胰管
Duodenojejunal flexure
十二指肠空肠曲
Jejunum
空肠
Ascending (4th) part
十二指肠升部
Superior mesenteric artery and vein
肠系膜上血管
Jejunum
空肠
Mesentery
肠系膜
Anastomotic loop (arcade) of jejunal arteries
空肠动脉吻合袢
Straight arteries 直动脉
Serosa (visceral peritoneum)
浆膜(脏层腹膜)
Longitudinal muscle layer
纵行肌层
Circular muscle layer
环行肌层
Submucosa 黏膜下层
Mucosa
黏膜
Solitary lymphoid nodule
孤立淋巴滤泡
Circular folds (valves of Kerckring)
环状襞(Kerckring瓣)
Ileum
回肠
Mesentery
肠系膜
Anastomotic loops
(arcades) of ileal arteries
回肠动脉吻合袢
Straight arteries 直动脉
Serosa (visceral peritoneum)
浆膜(脏层腹膜)
Longitudinal muscle layer
纵行肌层
Circular muscle layer
环行肌层
Submucosa
黏膜下层
Mucosa 黏膜
Circular folds (valves of Kerckring)
环状襞(Kerckring瓣)
Solitary lymphoid nodules
孤立淋巴滤泡
Aggregate lymphoid nodules (Peyer' s patches)
集合淋巴滤泡(Peyer斑)

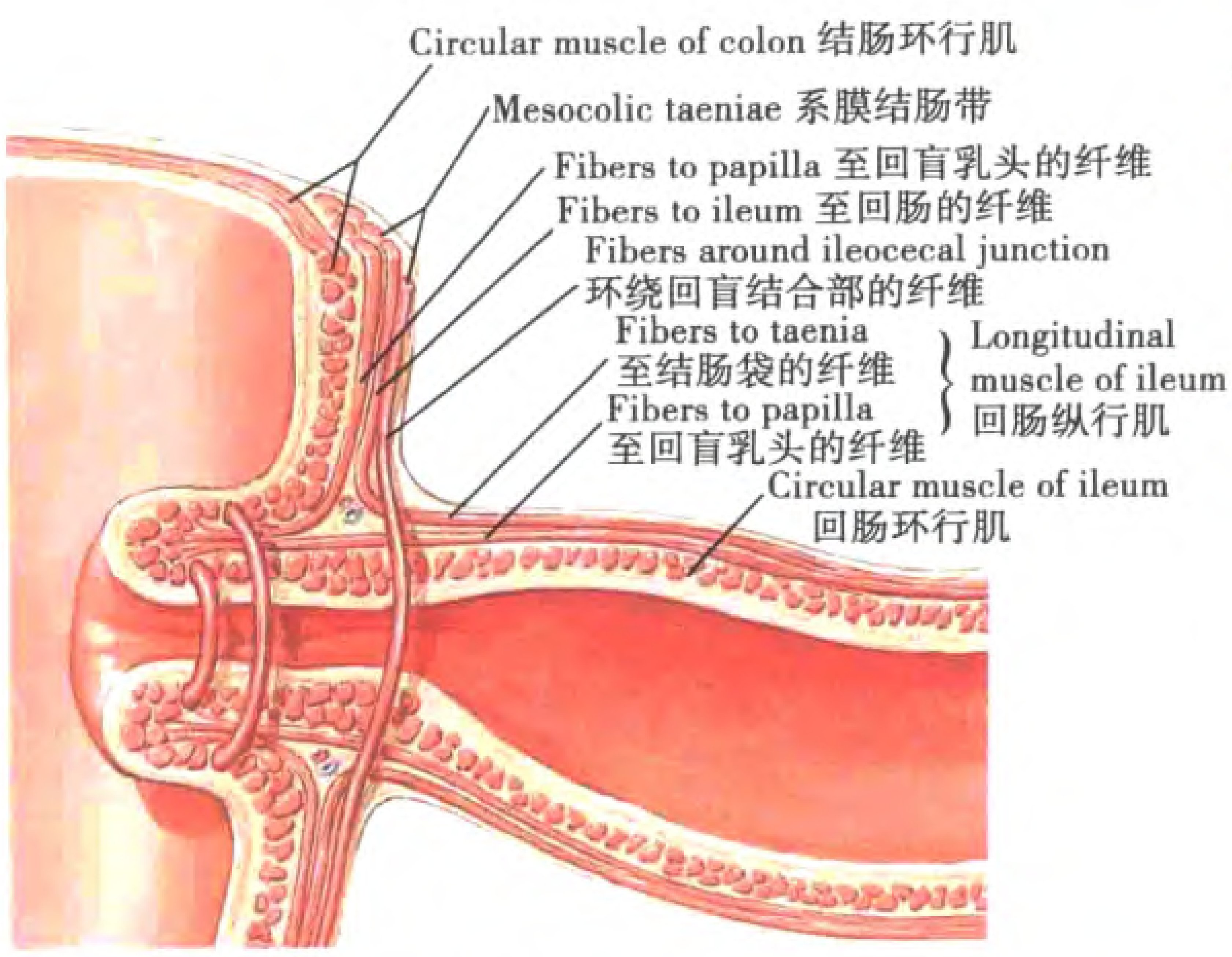
回盲部

参见图 287,288

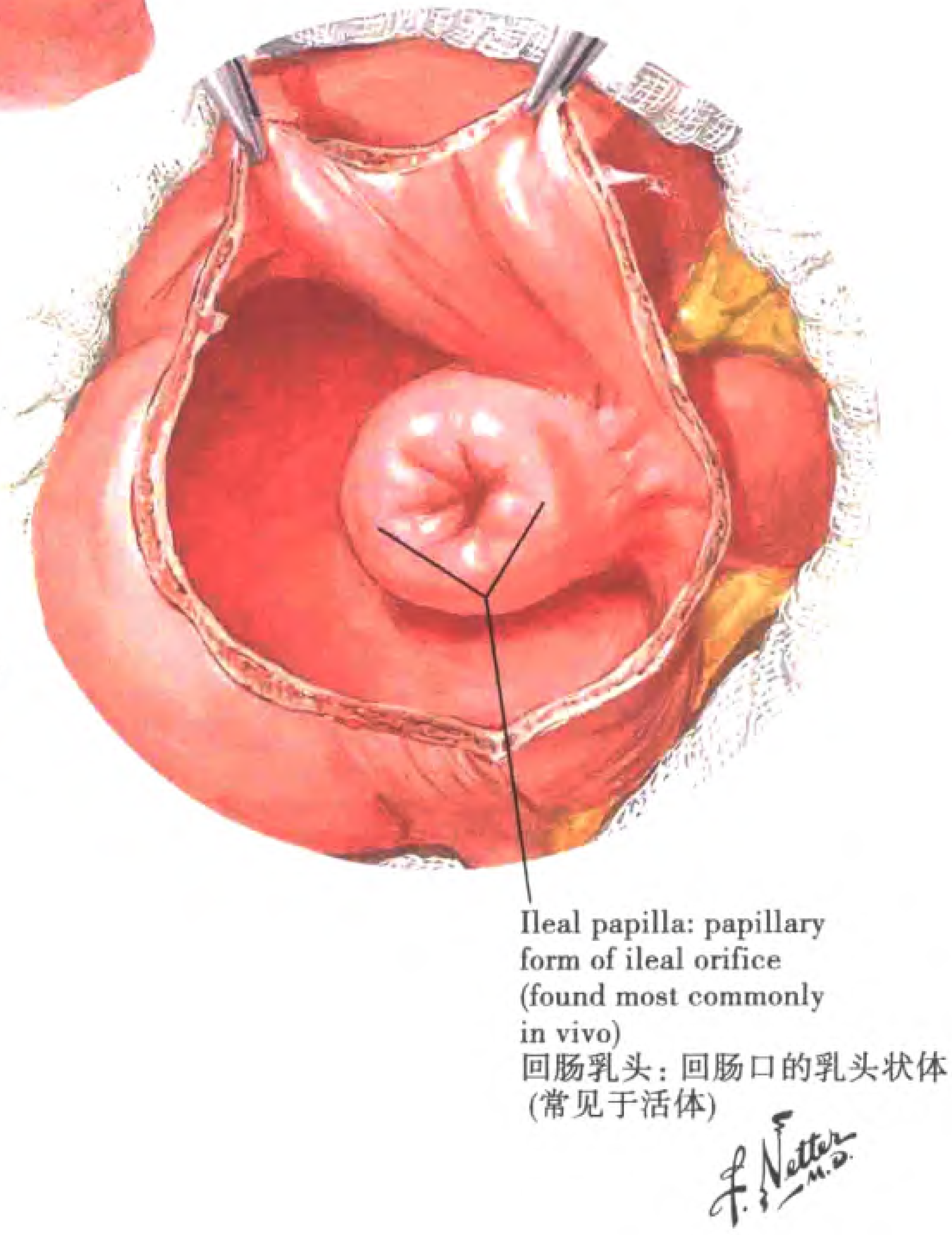






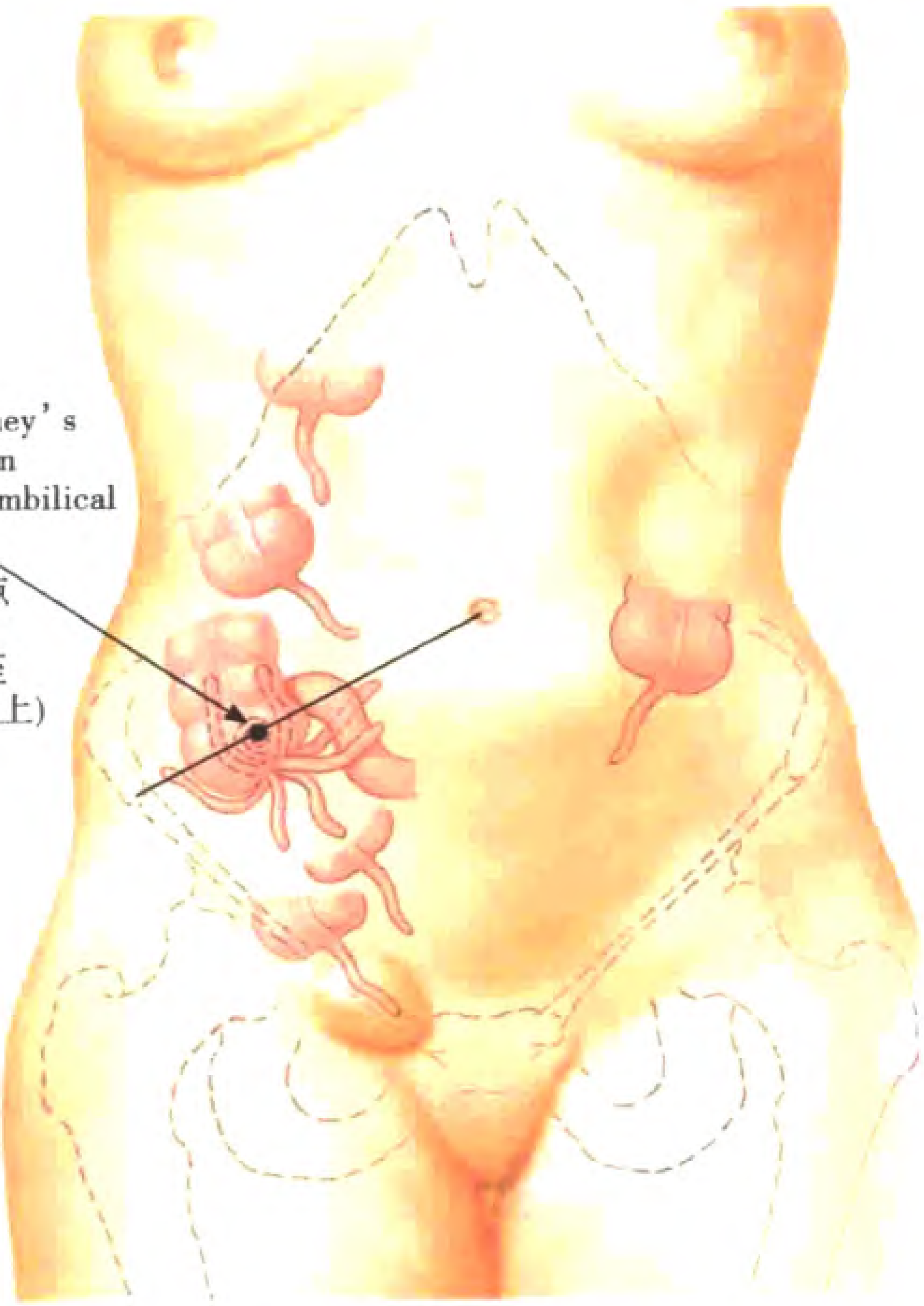


Schema of muscle fibers at ileal orifice
回肠口肌纤维示意图

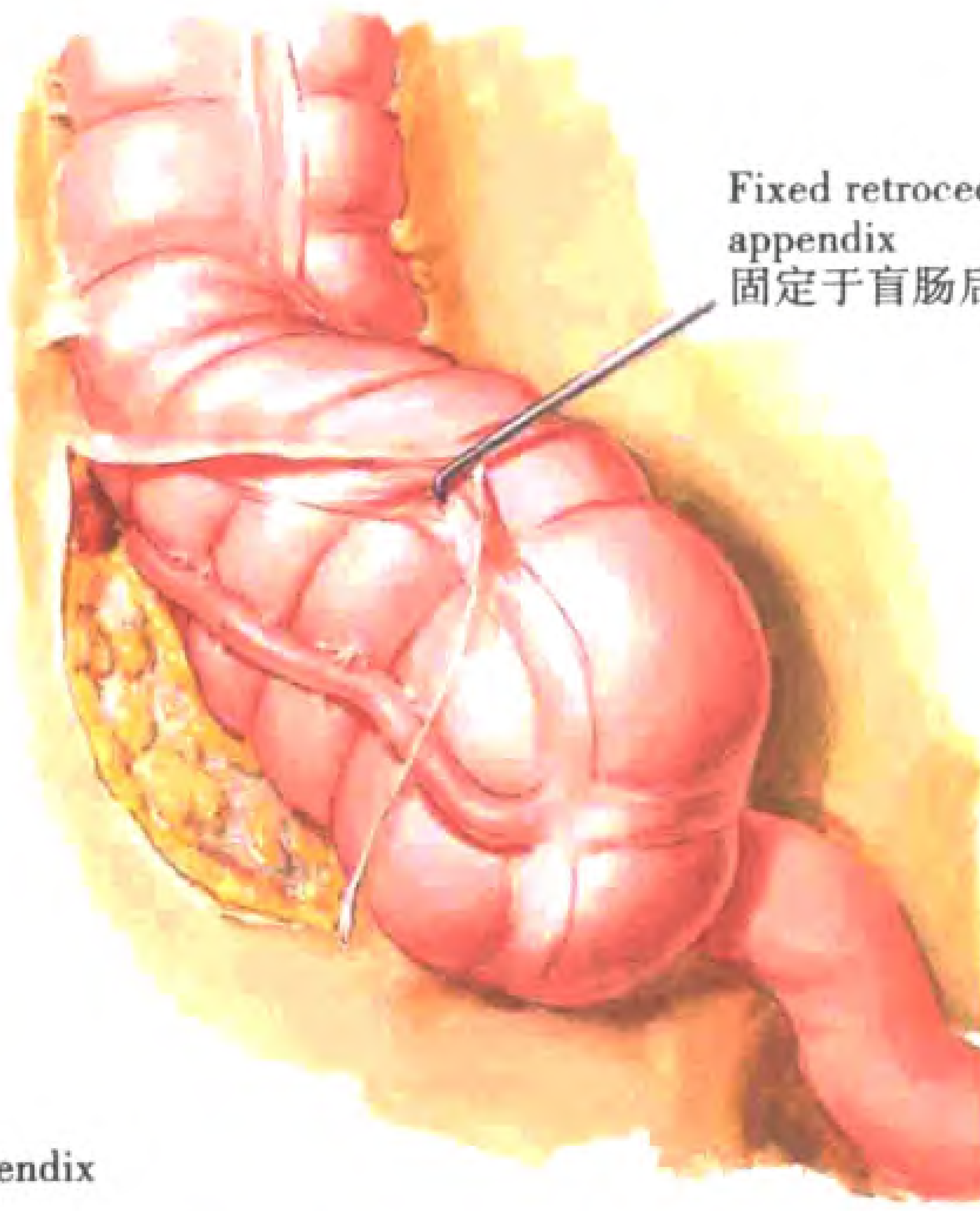


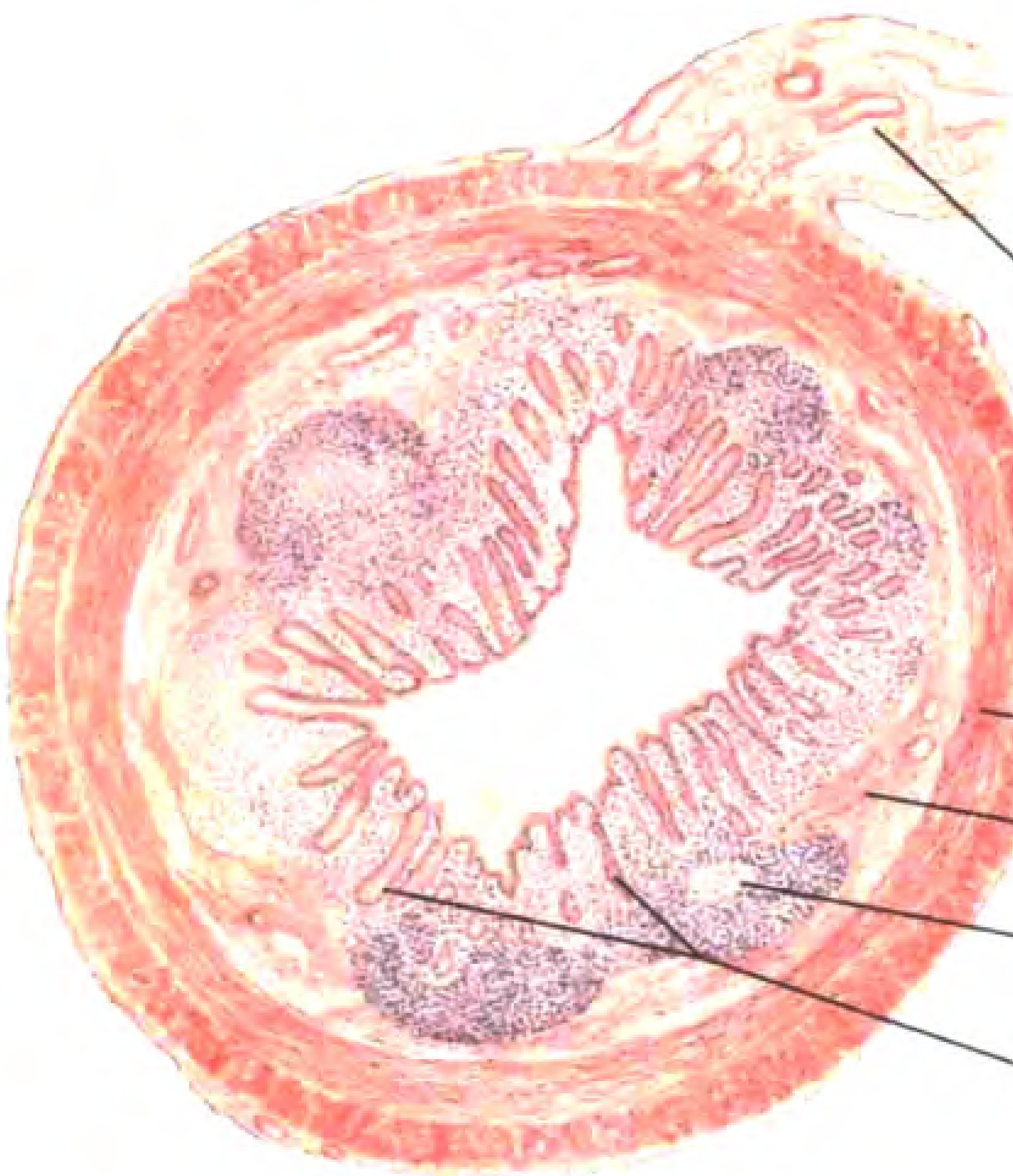
冠状位加强CT扫描图
Coronal CT with contrast

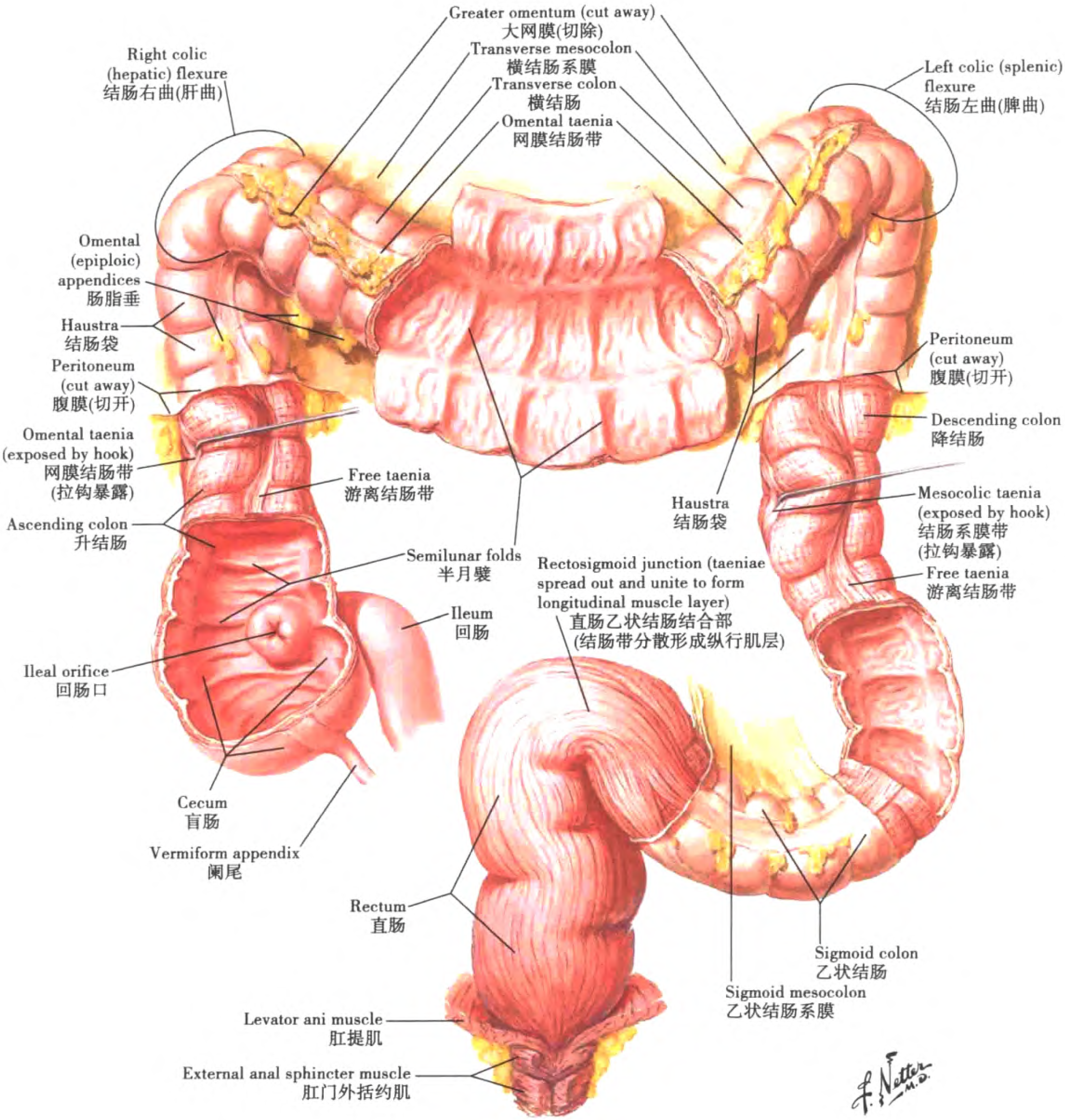


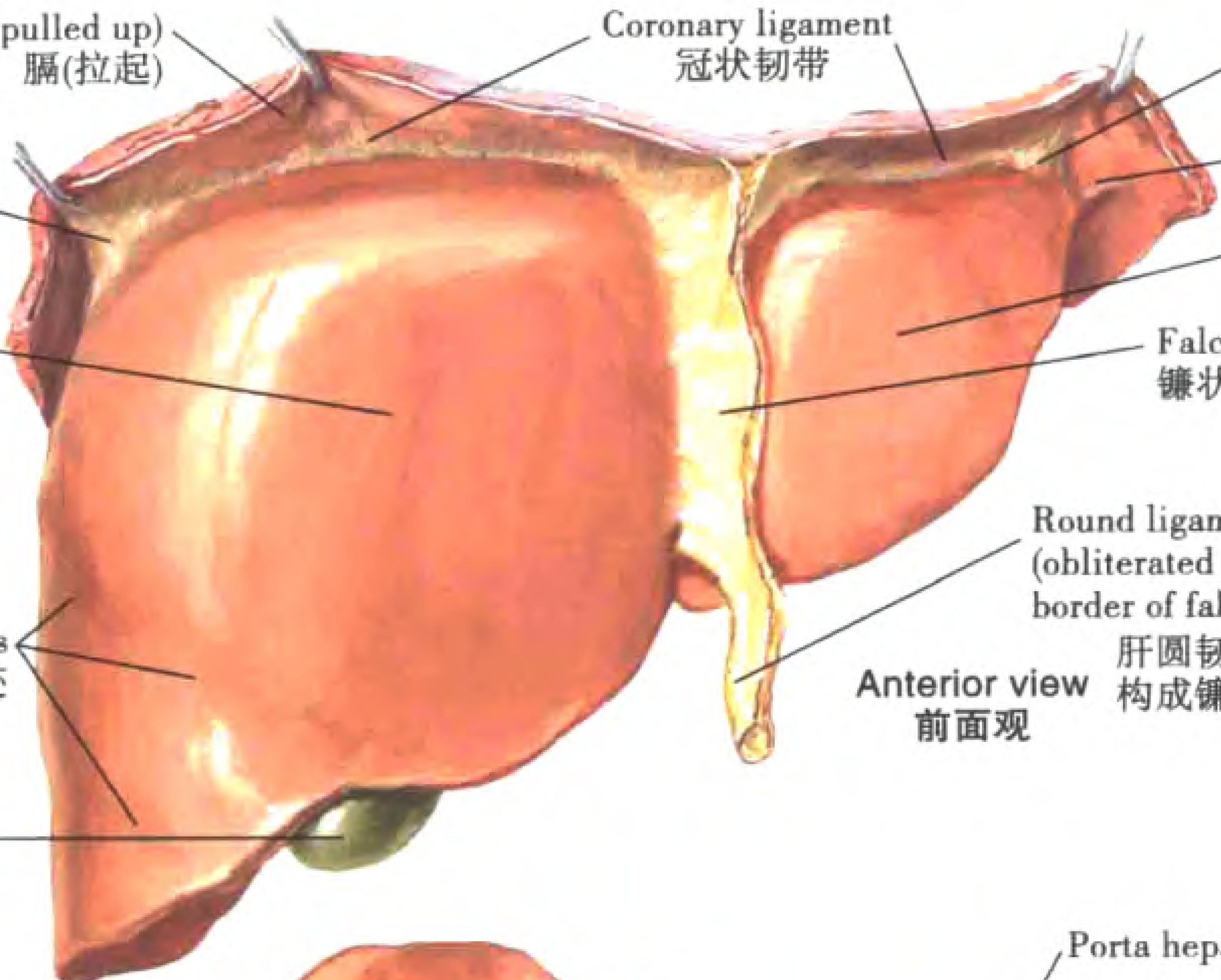


Variations in position of appendix
阑尾位置变异

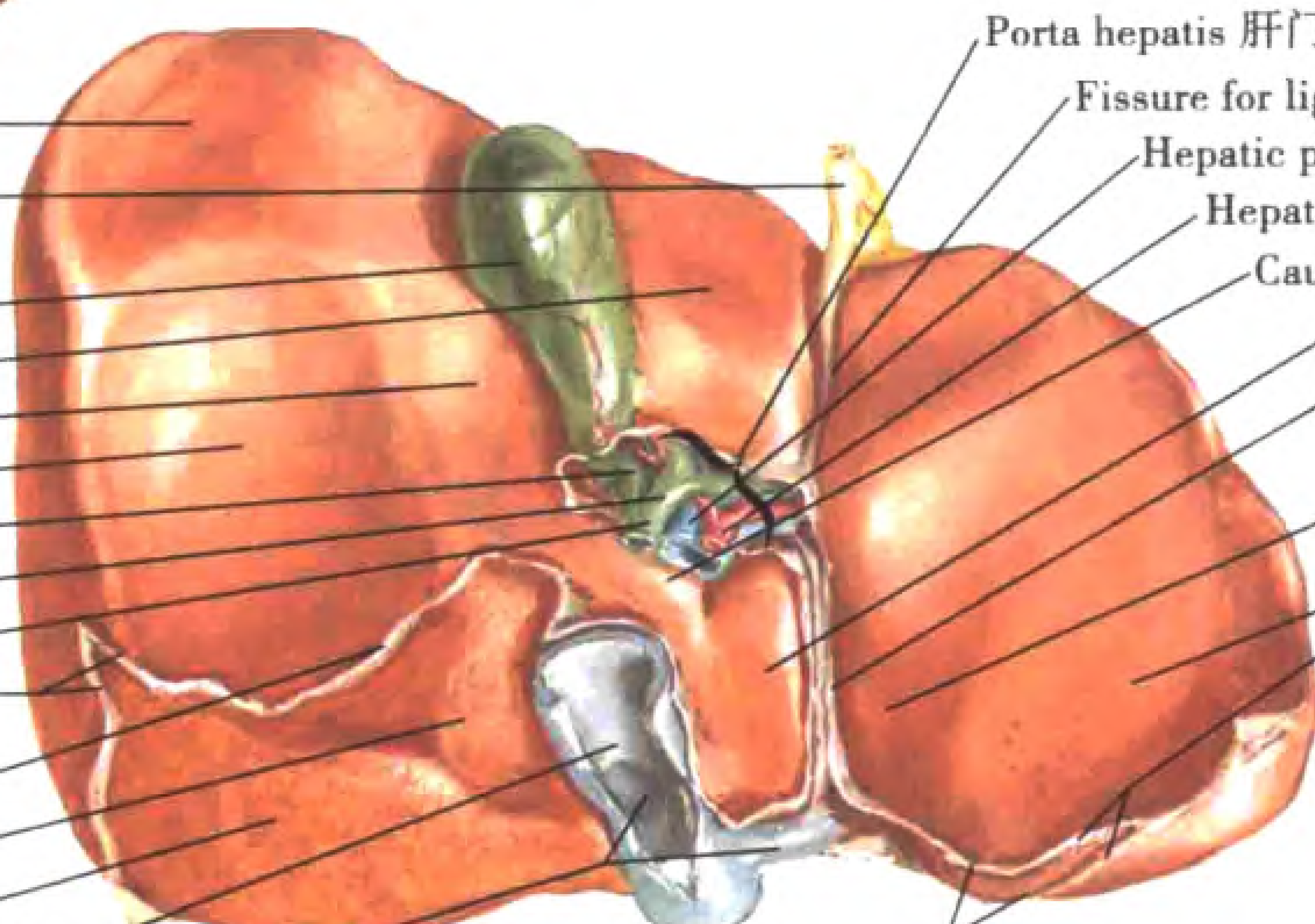




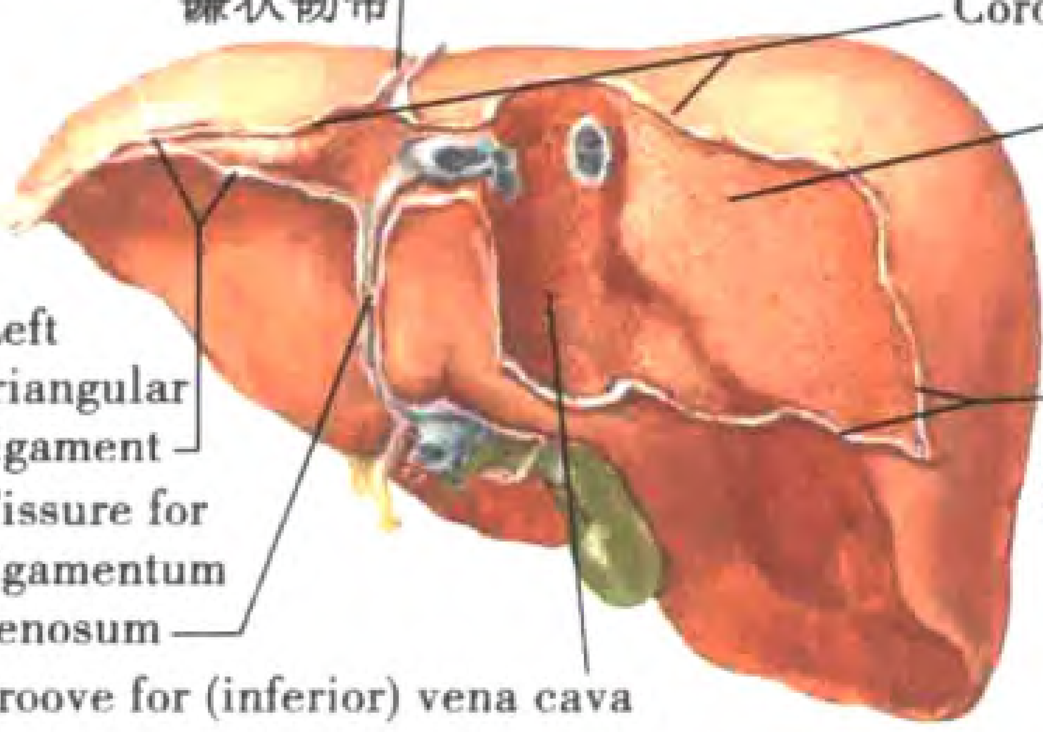

Greater omentum (cut away)
大网膜(切除)
Transverse mesocolon
横结肠系膜
Transverse colon
横结肠
Omental taenia
网膜结肠带
Right colic (hepatic) flexure
结肠右曲(肝曲)
Left colic (splenic) flexure
结肠左曲(脾曲)
Omental (epiploic) appendices
肠脂垂
Haustra
结肠袋
Peritoneum (cut away)
腹膜(切开)
Omental taenia (exposed by hook)
网膜结肠带
(拉钩暴露)
Free taenia
游离结肠带
Ascending colon
升结肠
Semilunar folds
半月襞
Ileum
回肠
Ileal orifice
回肠口
Cecum
盲肠
Vermiform appendix
阑尾
Peritoneum (cut away)
腹膜(切开)
Descending colon
降结肠
Haustra
结肠袋
Mesocolic taenia (exposed by hook)
结肠系膜带
(拉钩暴露)
Free taenia
游离结肠带
Rectosigmoid junction (taeniae spread out and unite to form longitudinal muscle layer)
直肠乙状结肠结合部
(结肠带分散形成纵行肌层)
Rectum
直肠
Sigmoid colon
乙状结肠
Sigmoid mesocolon
乙状结肠系膜
Levator ani muscle
肛提肌
External anal sphincter muscle
肛门外括约肌
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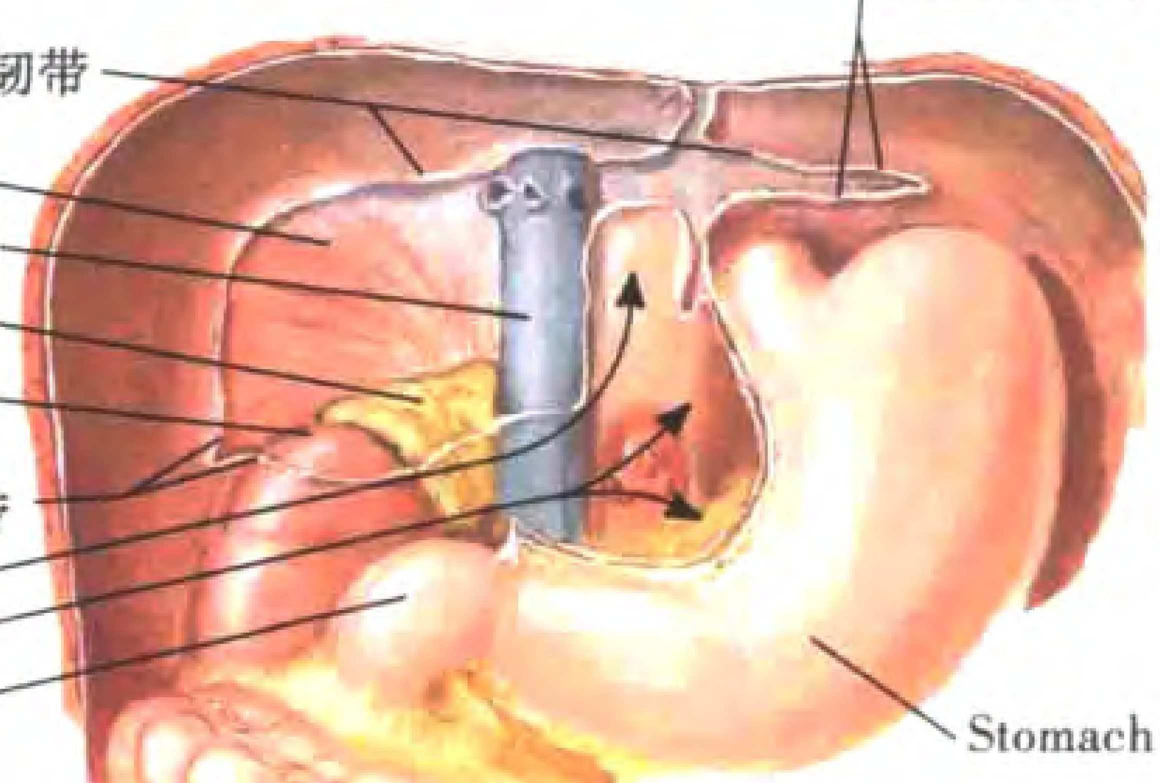
Anterior view
前面观



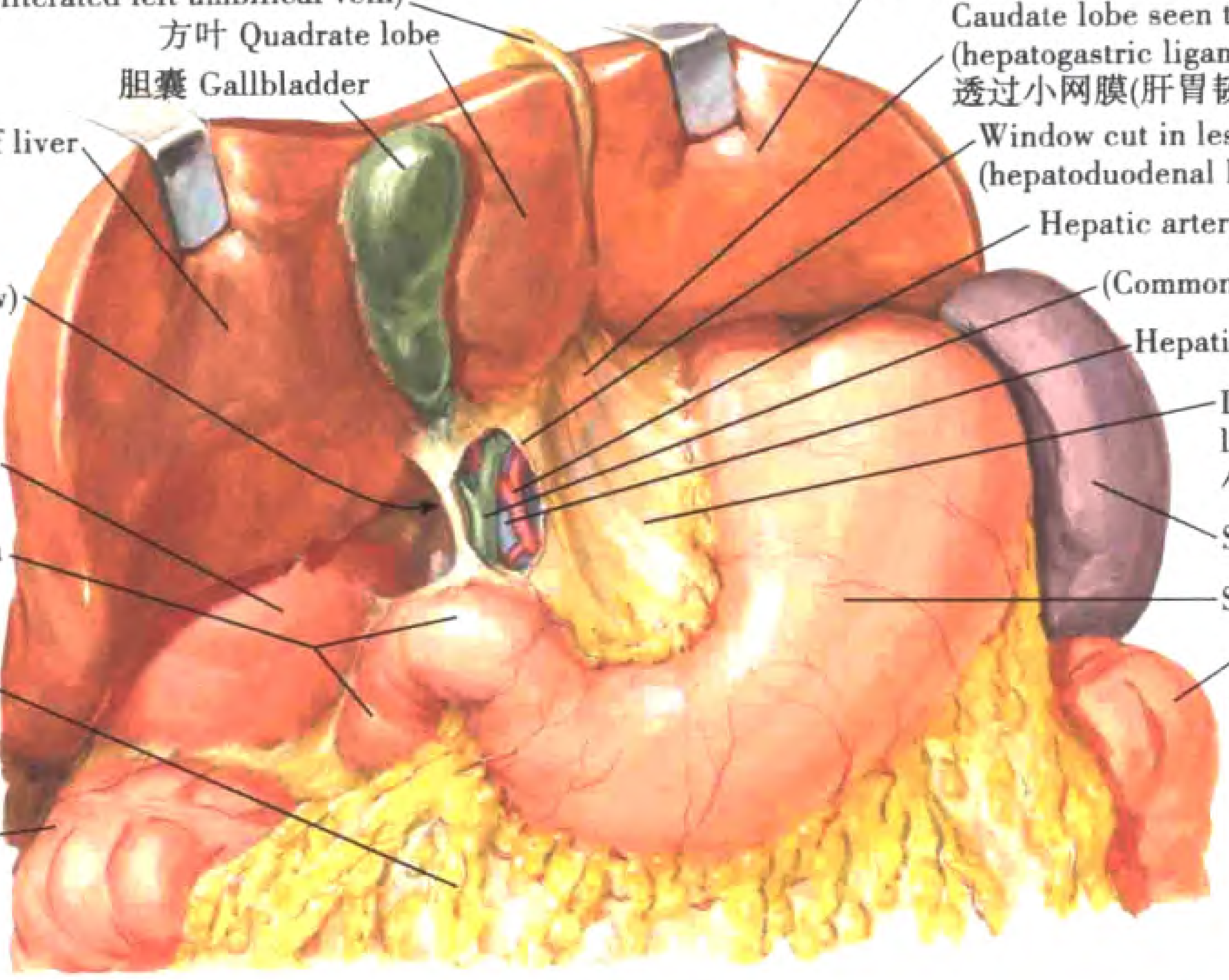
Visceral surface
脏面



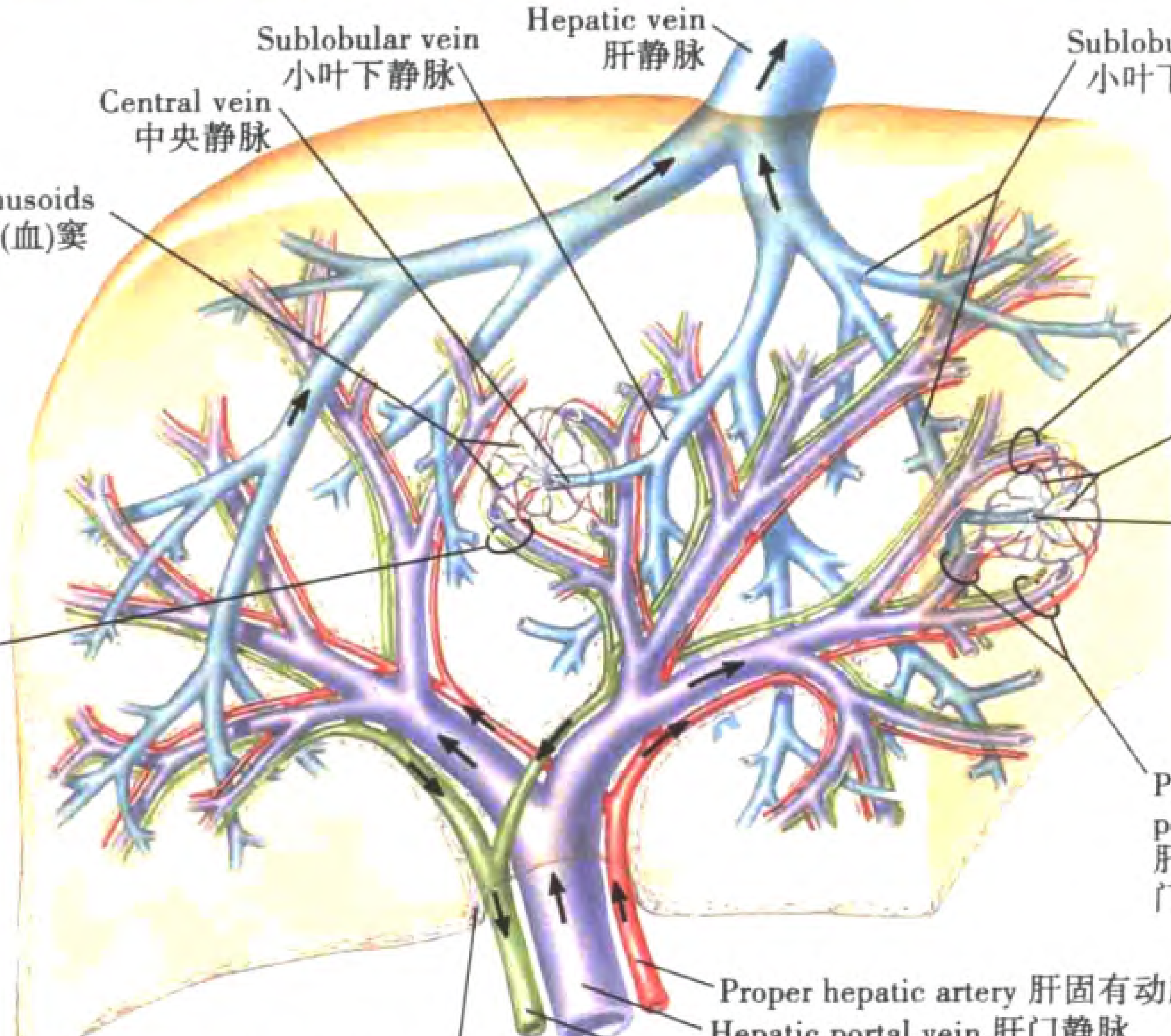
Posterior view 后面观



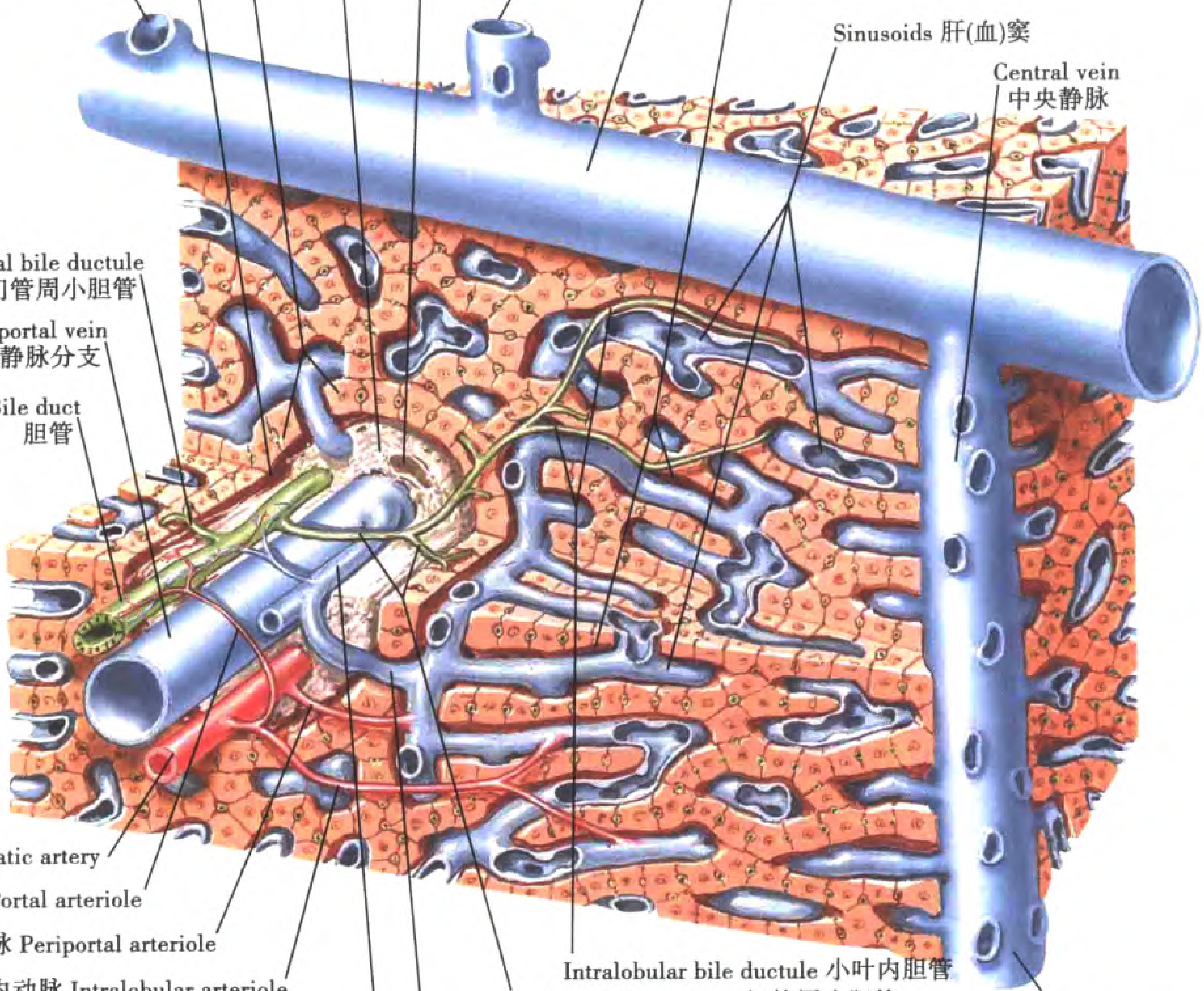
Bed of liver 肝床



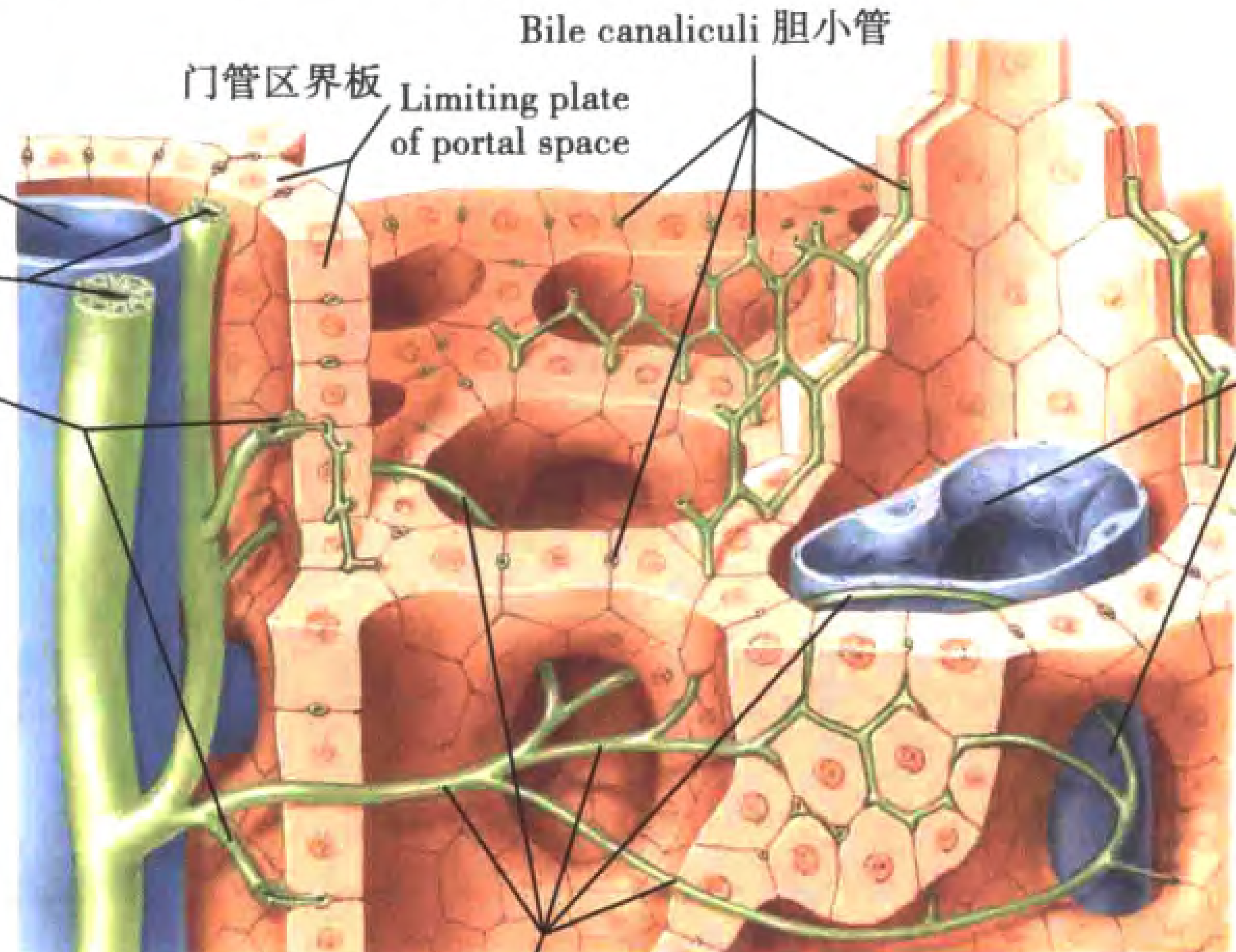
肝圆韧带
(闭锁的脐静脉)
Round ligament (ligamentum teres) of liver(obliterated left umbilical vein)
方叶 Quadrate lobe
胆囊 Gallbladder
肝右叶 Right lobe of liver
网膜孔 (Kinslow) (Winslow孔)
Omental (epiploic) foramen (of Winslow)
肾(腹膜后)
Kidney (retro-peritoneal)
十二指肠 Duodenum
大网膜 Greater omentum
结肠右曲 (肝曲)
Right colic (hepatic) flexure
Left lobe of liver 肝左叶
Caudate lobe seen through lesser omentum (hepatogastric ligament)
透过小网膜(肝胃韧带)显露尾状叶
Window cut in lesser omentum (hepatoduodenal ligament)
小网膜(肝十二指肠韧带)开窗
Hepatic artery proper 肝固有动脉
(Common) bile duct 胆总管
Hepatic portal vein 肝门静脉
Lesser omentum (hepatogastric ligament)
小网膜(肝胃韧带)
Spleen 脾
Stomach 胃
Left colic (splenic) flexure
结肠左曲(脾曲)
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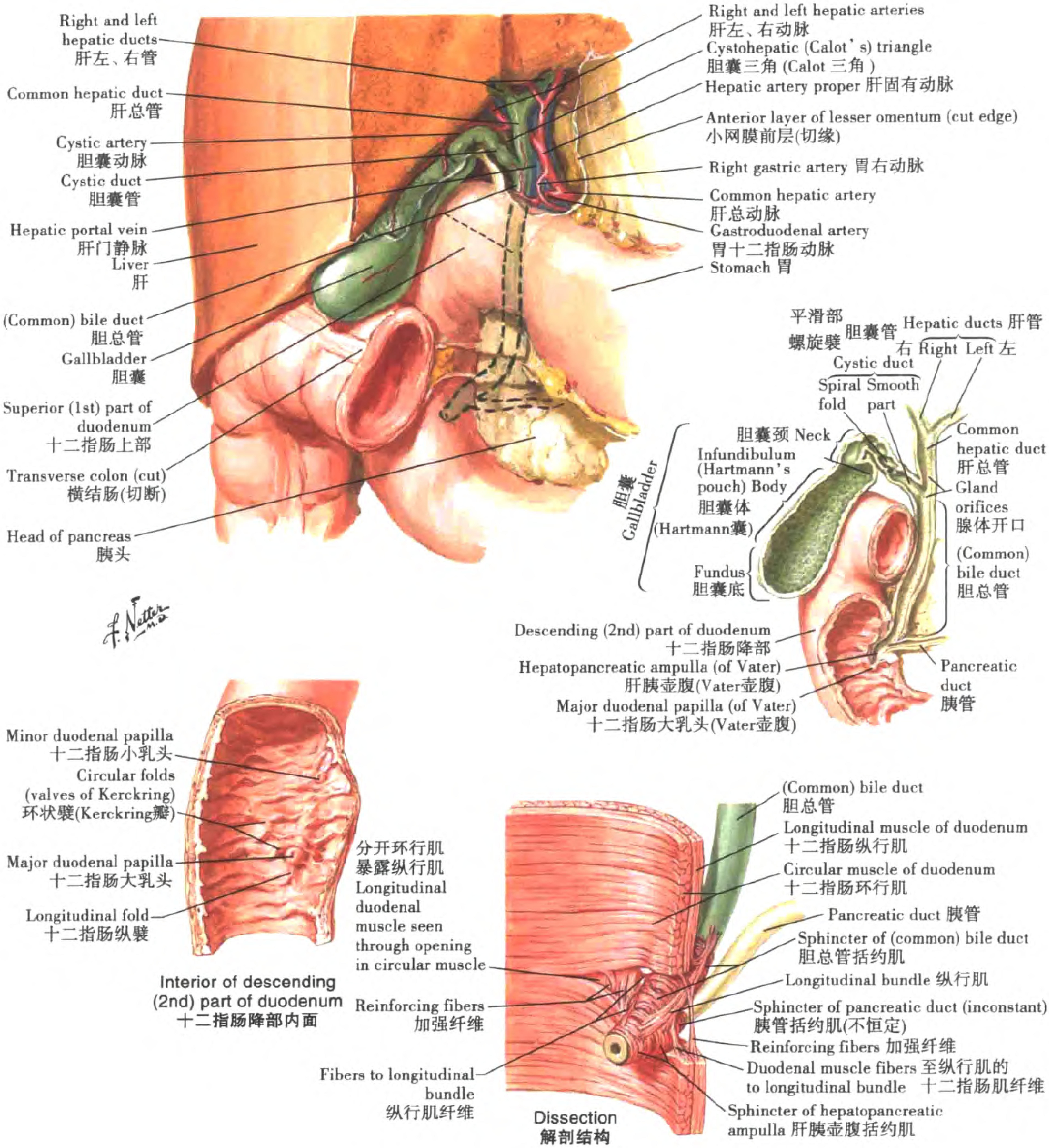
Sublobular vein
小叶下静脉
Hepatic vein
肝静脉
Sublobular veins
小叶下静脉
Central vein
中央静脉
Sinusoids
肝(血)窦
Portal triad
肝三联管
Sinusoids
肝(血)窦
Central vein
中央静脉
Portal triad
肝三联管
Portal triads (hepatic artery, portal vein branch, bile ductule)
肝三联管(肝动脉,门静脉分支,胆管)
Proper hepatic artery 肝固有动脉
Hepatic portal vein 肝门静脉
Common hepatic duct 肝总管
Perivascular fibrous (Glisson's) capsule extending into porta hepatis along vessels and bile duct
血管周围纤维囊(Glisson囊)沿血管和胆管伸入肝门



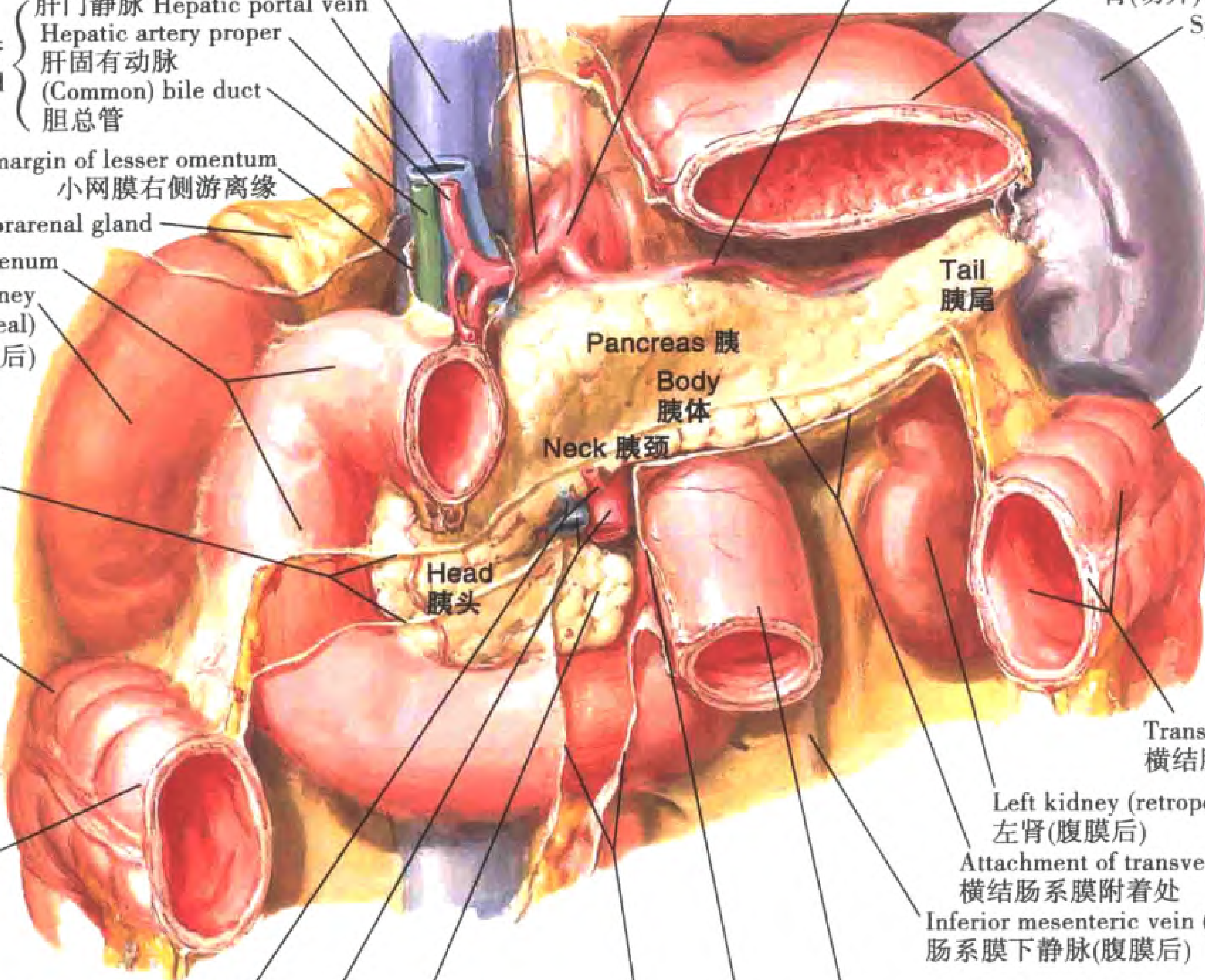
结缔组织 Connective tissue
门管区界板 Limiting plate of portal space
门管周间隙 Periportal space
中央静脉 Central vein
Lymph vessel
淋巴管
Central vein 中央静脉
Sublobular vein (tributary to hepatic vein)
小叶下静脉(流入肝静脉)
Perisinusoidal spaces 窦周隙
Sinusoids 肝(血)窦
Central vein
中央静脉
Periportal bile ductule
门管周小胆管
Branch of portal vein
肝门静脉分支
Bile duct
胆管
肝动脉分支 Branch of hepatic artery
门管小动脉 Portal arteriole
门管周小动脉 Periportal arteriole
小叶内动脉 Intralobular arteriole
分配静脉 Distributing vein
Inlet venule 入口微静脉
Intralobular bile ductule 小叶内胆管
Periportal bile ductule 门管周小胆管
Central vein
中央静脉



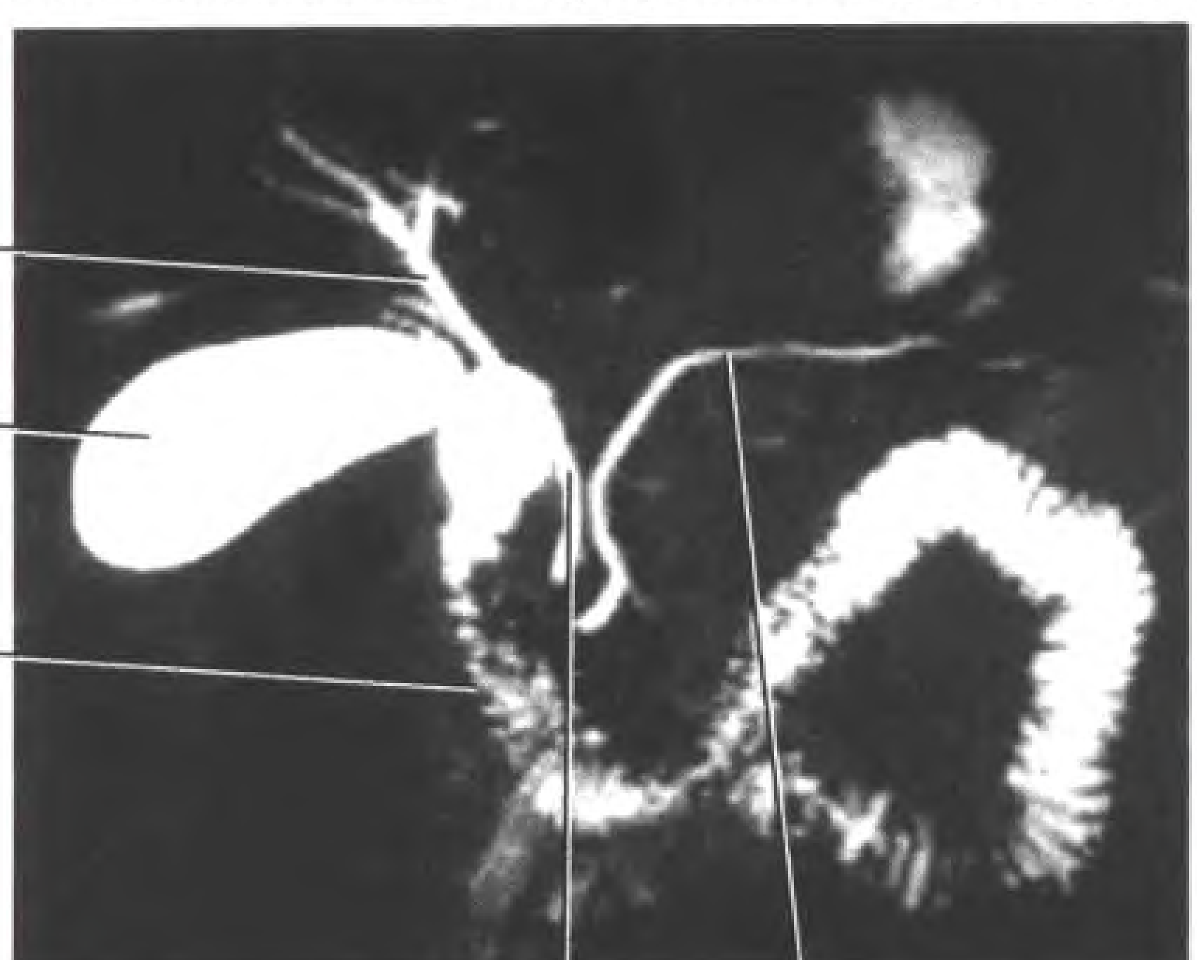
Bile canaliculi 胆小管
门管区界板 Limiting plate
of portal space
Branch of portal vein
肝门静脉分支
Bile ducts
胆管
Periportal bile ductules
门管周小胆管
Sinusoid
肝(血)窦
Intralobular bile ductules
小叶内胆管

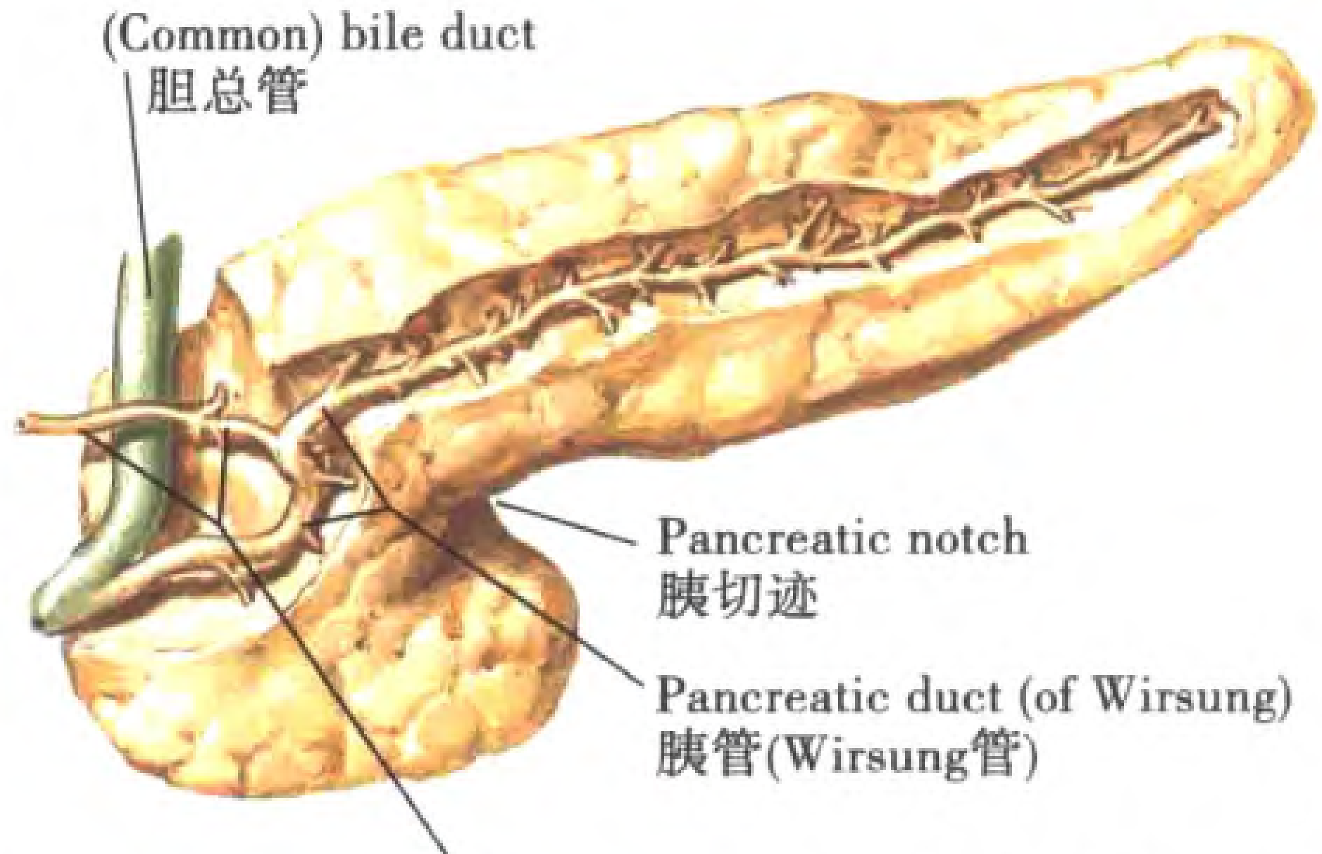


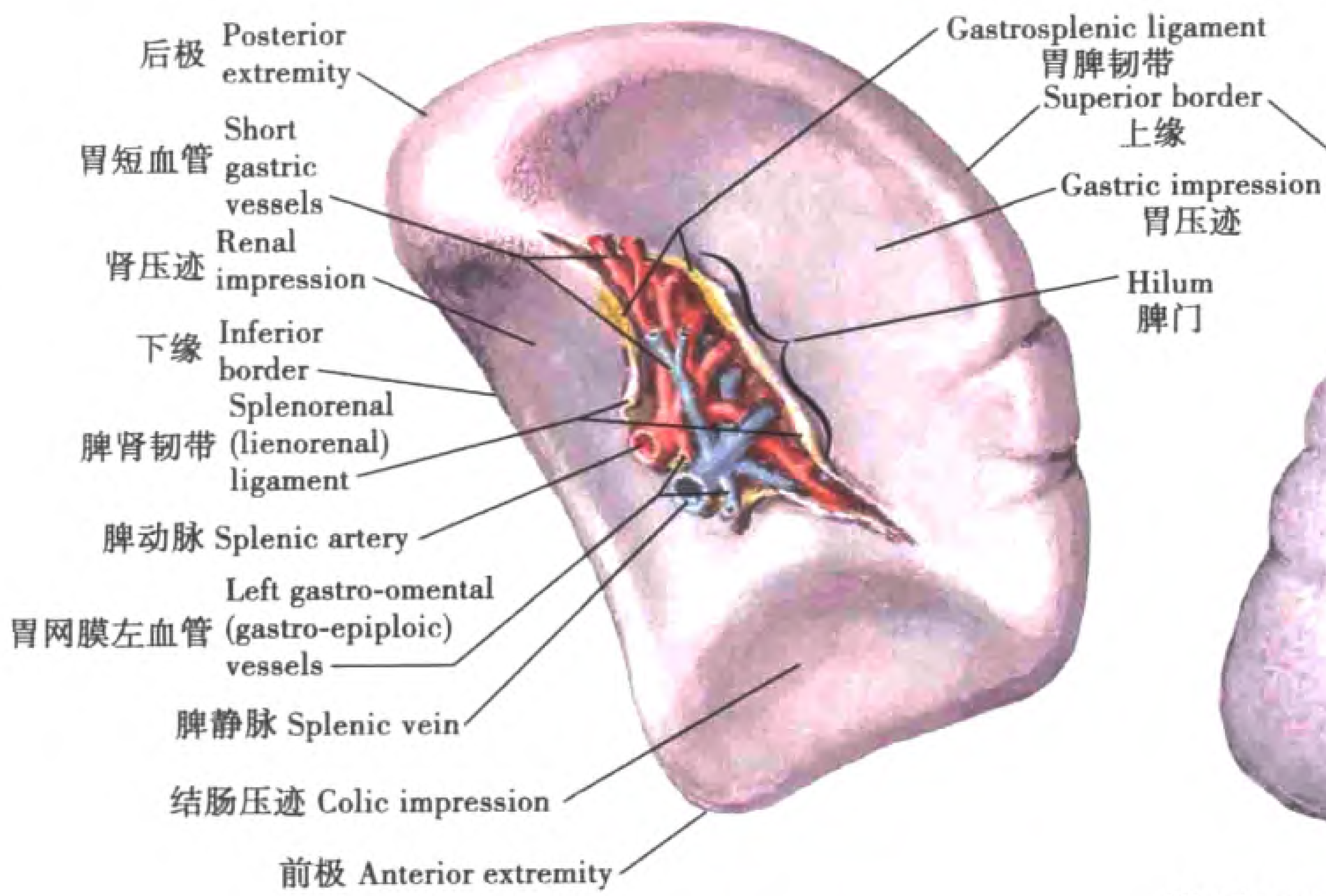
Right and left hepatic ducts 肝左、右管
Common hepatic duct 肝总管
Cystic artery 胆囊动脉
Cystic duct 胆囊管
Hepatic portal vein 肝门静脉
Liver 肝
(Common) bile duct 胆总管
Gallbladder 胆囊
Superior (1st) part of duodenum 十二指肠上部
Transverse colon (cut) 横结肠(切断)
Head of pancreas 胰头
Right and left hepatic arteries 肝左、右动脉
Cystohepatic (Calot's) triangle 胆囊三角 (Calot 三角)
Hepatic artery proper 肝固有动脉
Anterior layer of lesser omentum (cut edge) 小网膜前层(切缘)
Right gastric artery 胃右动脉
Common hepatic artery 肝总动脉
Gastroduodenal artery 胃十二指肠动脉
Stomach 胃
F. Netter M.D.
平滑部
螺旋襞
胆囊管
Hepatic ducts 肝管
右 Right Left 左
Cystic duct
Spiral fold
Smooth part
胆囊颈 Neck
Infundibulum (Hartmann's pouch) Body
胆囊体
(Hartmann囊)
胆囊 Gallbladder
Fundus 胆囊底
Common hepatic duct 肝总管
Gland orifices 腺体开口
(Common) bile duct 胆总管
Descending (2nd) part of duodenum 十二指肠降部
Hepatopancreatic ampulla (of Vater) 肝胰壶腹(Vater壶腹)
Major duodenal papilla (of Vater) 十二指肠大乳头(Vater壶腹)
Pancreatic duct 胰管
Minor duodenal papilla 十二指肠小乳头
Circular folds (valves of Kerckring) 环状襞(Kerckring瓣)
Major duodenal papilla 十二指肠大乳头
Longitudinal fold 十二指肠纵襞
Interior of descending (2nd) part of duodenum 十二指肠降部内面
分开环行肌 暴露纵行肌
Longitudinal duodenal muscle seen through opening in circular muscle
Reinforcing fibers 加强纤维
Fibers to longitudinal bundle 纵行肌纤维
Dissection 解剖结构
(Common) bile duct 胆总管
Longitudinal muscle of duodenum 十二指肠纵行肌
Circular muscle of duodenum 十二指肠环行肌
Pancreatic duct 胰管
Sphincter of (common) bile duct 胆总管括约肌
Longitudinal bundle 纵行肌
Sphincter of pancreatic duct (inconstant) 胰管括约肌(不恒定)
Reinforcing fibers 加强纤维
Duodenal muscle fibers to longitudinal bundle 至纵行肌的十二指肠肌纤维
Sphincter of hepatopancreatic ampulla 肝胰壶腹括约肌



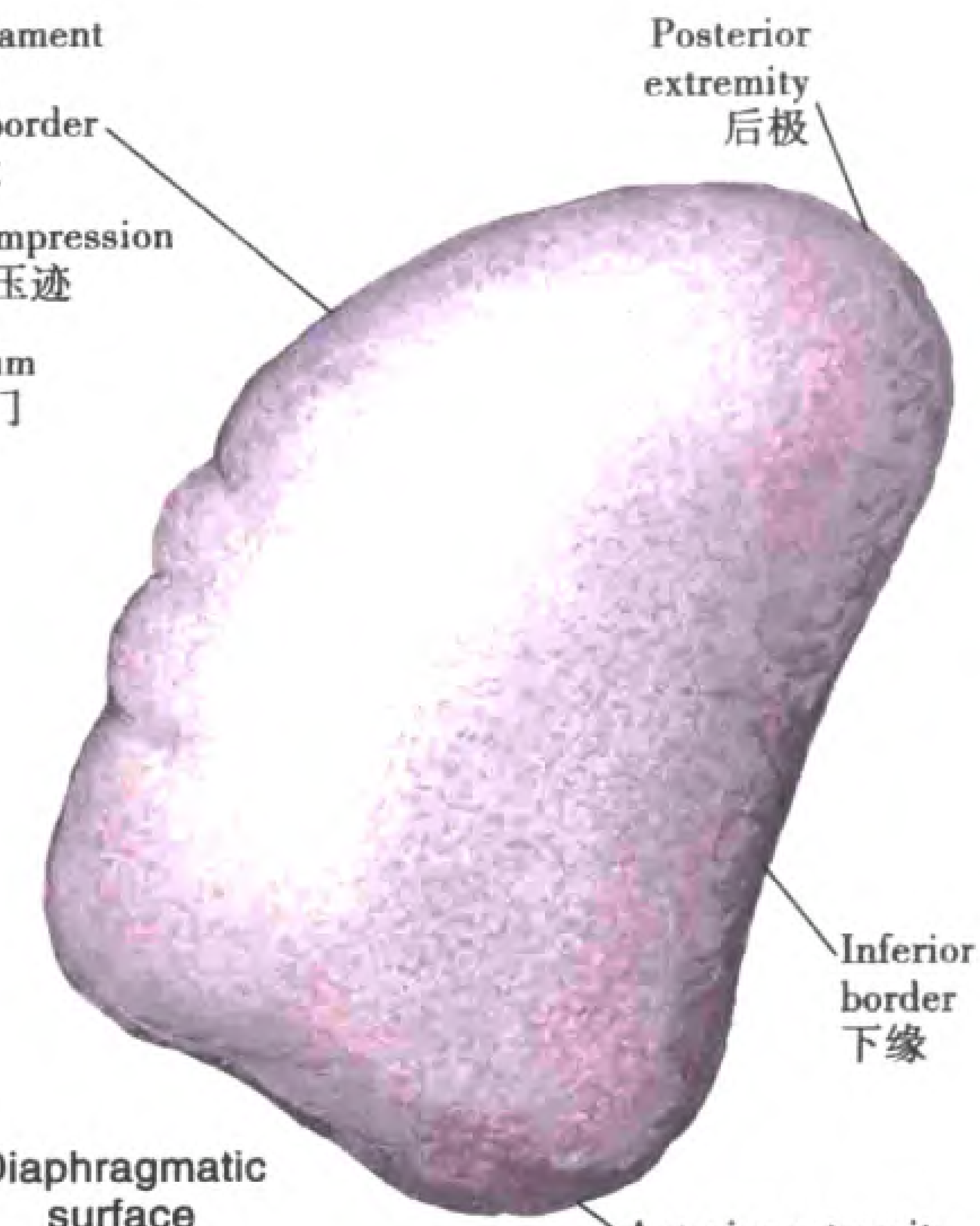
磁共振胆胰管造影术
Magnetic resonance cholangiopancreatography (MRCP)



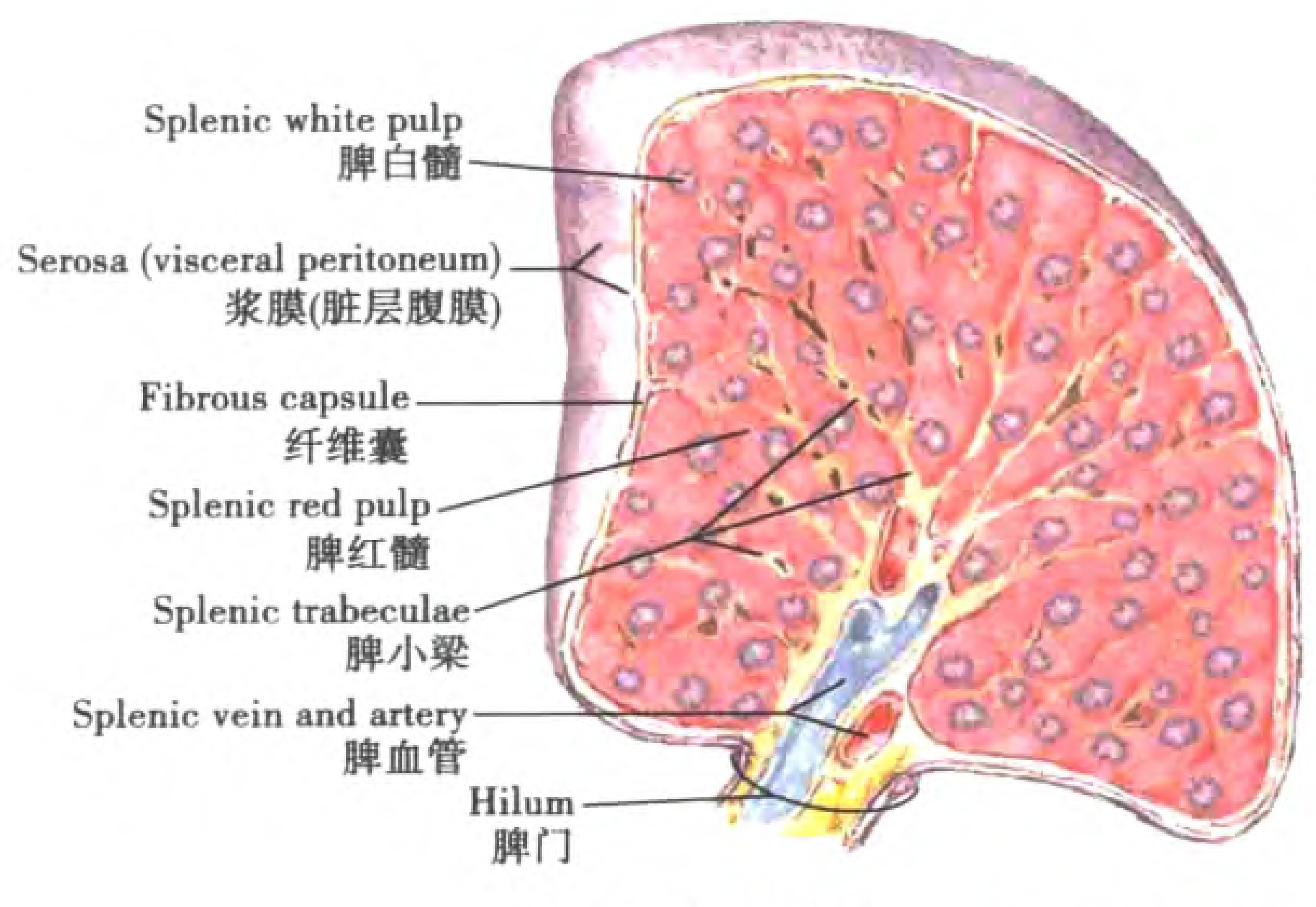




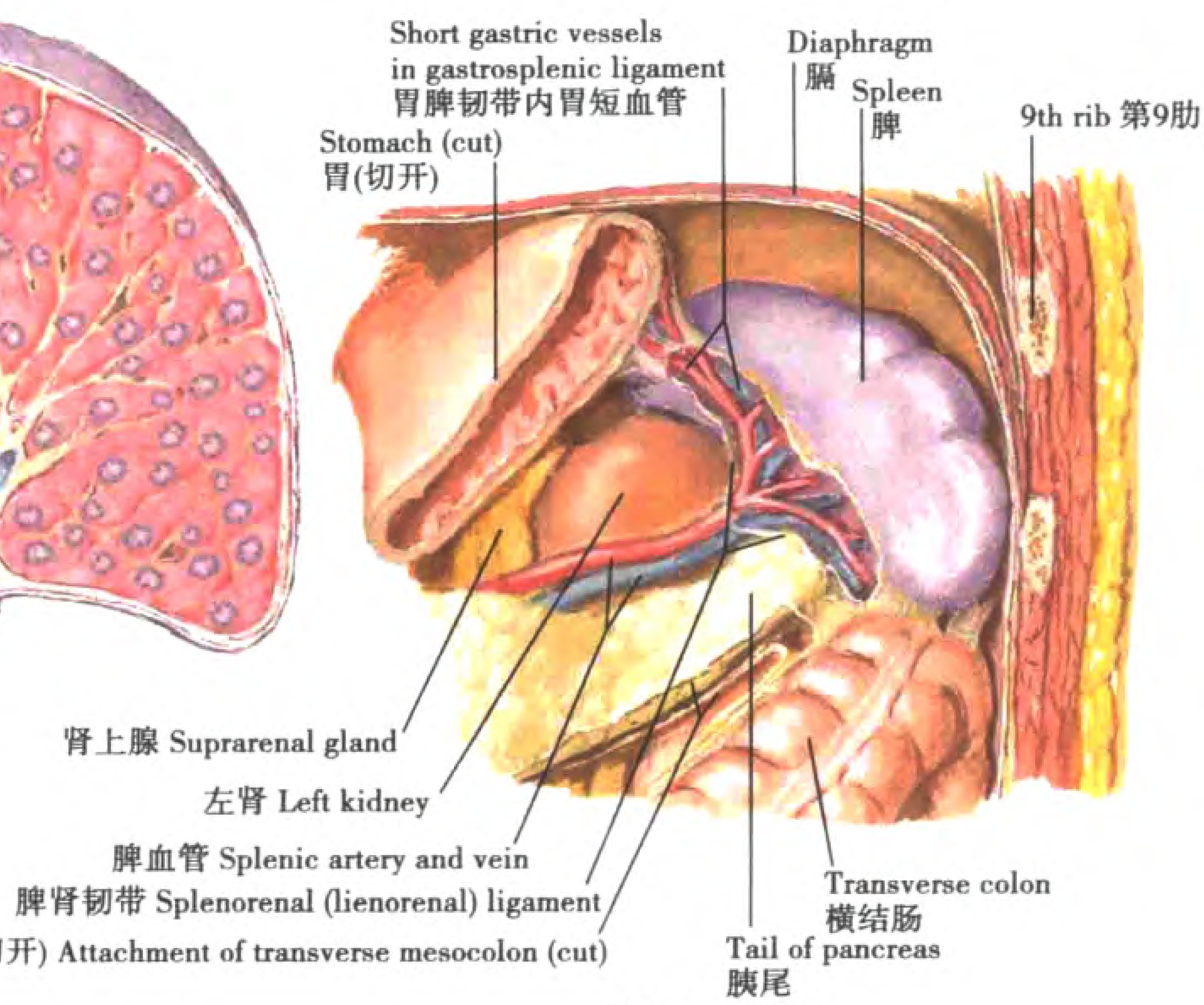
Visceral surface
脏面



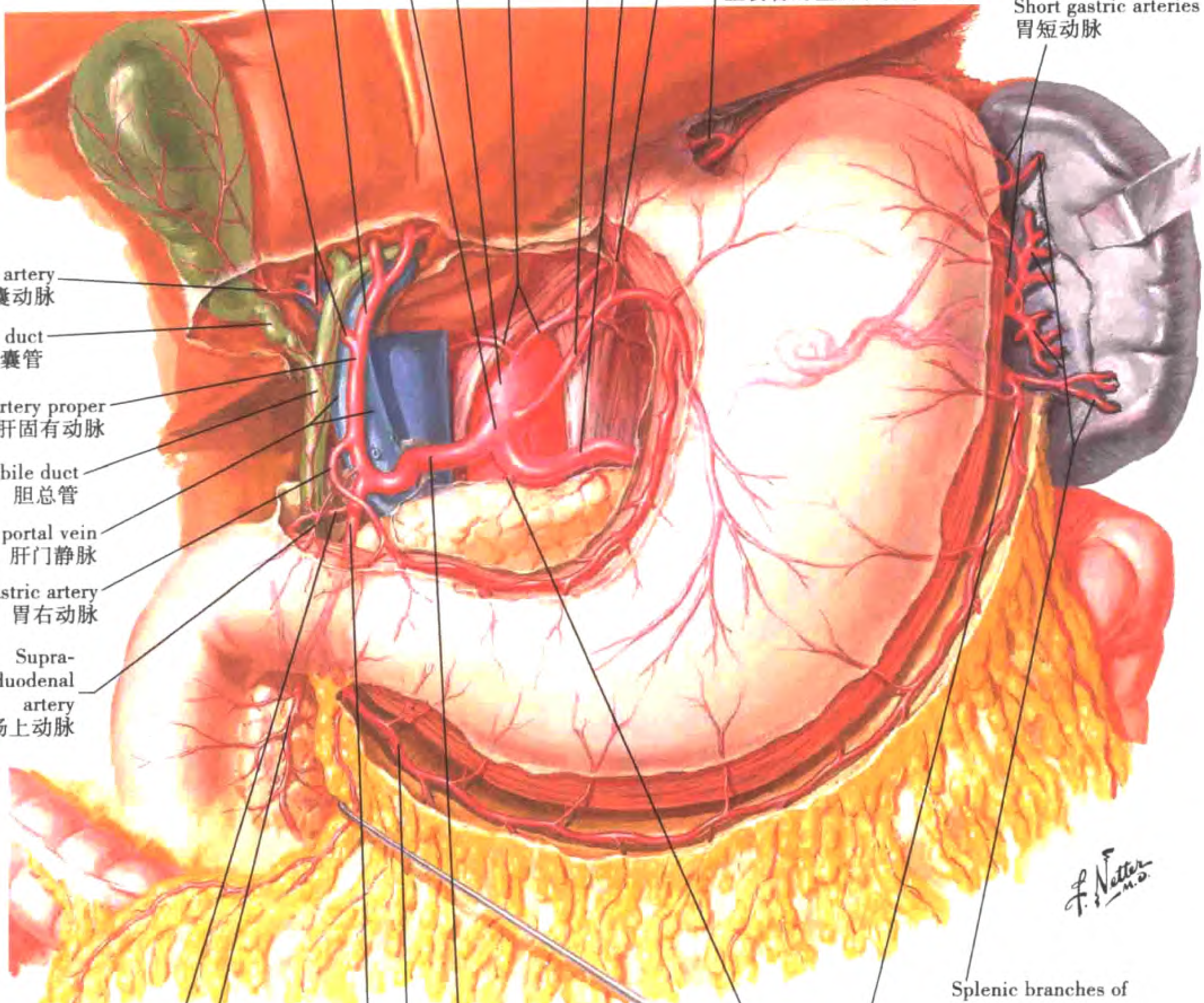
Diaphragmatic surface
膈面

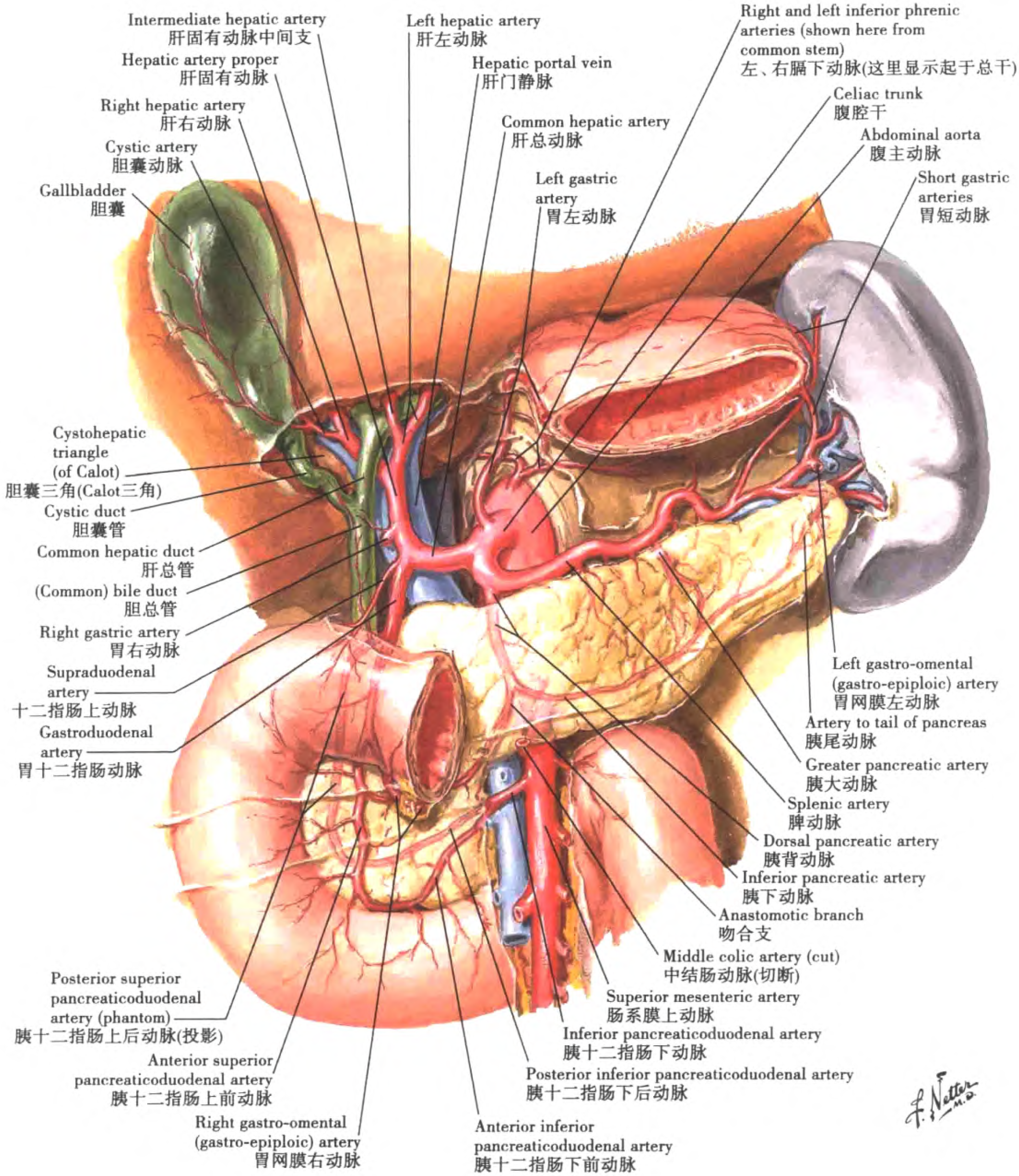


Cross section
脾横断面

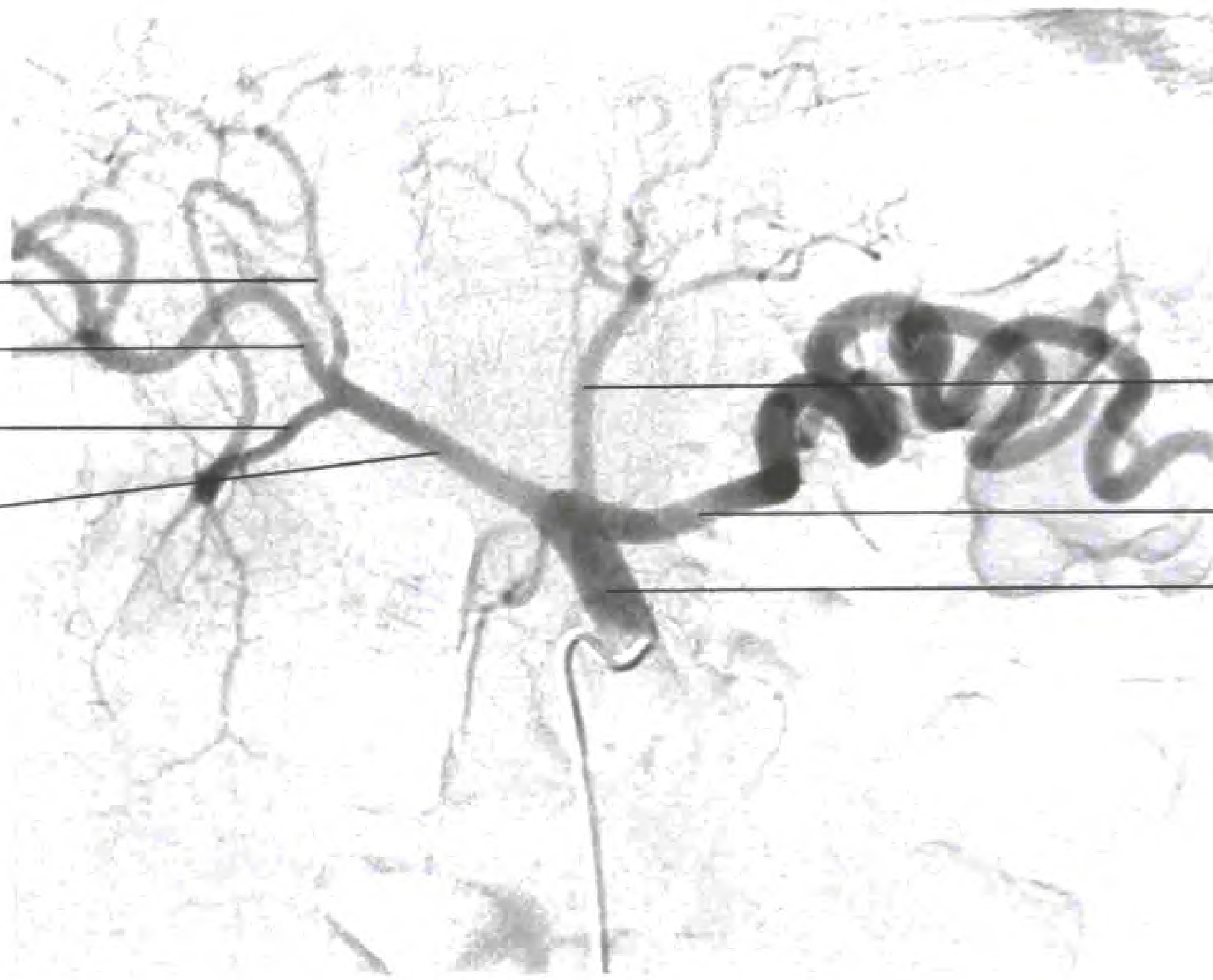


Spleen in situ
原位脾


Right and left inferior phrenic arteries
左和右膈下动脉
Abdominal aorta
腹主动脉
Celiac trunk
腹腔干
Left hepatic artery
肝左动脉
Right hepatic artery
肝右动脉
Left gastric artery
胃左动脉
Splenic artery
脾动脉
Esophageal branch of left gastric artery
胃左动脉食管支
Recurrent branch of left inferior
phrenic artery to esophagus
至食管的左膈下动脉返支
Short gastric arteries
胃短动脉
Cystic artery
胆囊动脉
Cystic duct
胆囊管
Hepatic artery proper
肝固有动脉
(Common)bile duct
胆总管
Hepatic portal vein
肝门静脉
Right gastric artery
胃右动脉
Supra-
duodenal
artery
十二指肠上动脉
Posterior superior
胰十二指肠上后动脉
Anterior superior
pancreaticoduodenal arteries
胰十二指肠上前动脉
Gastroduodenal artery
胃十二指肠动脉
Right gastro-omental
(gastro-epiploic) artery
胃网膜右动脉
Common hepatic artery
肝总动脉
Dorsal pancreatic artery
胰背动脉
Left gastro-omental
(gastro-epiploic) artery
胃网膜左动脉
Splenic branches of
splenic artery
脾动脉脾支



Intermediate hepatic artery
肝固有动脉中间支
Hepatic artery proper
肝固有动脉
Right hepatic artery
肝右动脉
Cystic artery
胆囊动脉
Gallbladder
胆囊
Left hepatic artery
肝左动脉
Hepatic portal vein
肝门静脉
Common hepatic artery
肝总动脉
Left gastric artery
胃左动脉
Right and left inferior phrenic arteries (shown here from common stem)
左、右膈下动脉(这里显示起于总干)
Celiac trunk
腹腔干
Abdominal aorta
腹主动脉
Short gastric arteries
胃短动脉
Cystohepatic triangle (of Calot)
胆囊三角(Calot三角)
Cystic duct
胆囊管
Common hepatic duct
肝总管
(Common) bile duct
胆总管
Right gastric artery
胃右动脉
Supraduodenal artery
十二指肠上动脉
Gastroduodenal artery
胃十二指肠动脉
Left gastro-omental (gastro-epiploic) artery
胃网膜左动脉
Artery to tail of pancreas
胰尾动脉
Greater pancreatic artery
胰大动脉
Splenic artery
脾动脉
Dorsal pancreatic artery
胰背动脉
Inferior pancreatic artery
胰下动脉
Anastomotic branch
吻合支
Middle colic artery (cut)
中结肠动脉(切断)
Superior mesenteric artery
肠系膜上动脉
Inferior pancreaticoduodenal artery
胰十二指肠下动脉
Posterior inferior pancreaticoduodenal artery
胰十二指肠下后动脉
Posterior superior pancreaticoduodenal artery (phantom)
胰十二指肠上后动脉(投影)
Anterior superior pancreaticoduodenal artery
胰十二指肠上前动脉
Right gastro-omental (gastro-epiploic) artery
胃网膜右动脉
Anterior inferior pancreaticoduodenal artery
胰十二指肠下前动脉
F. Netter M.D.

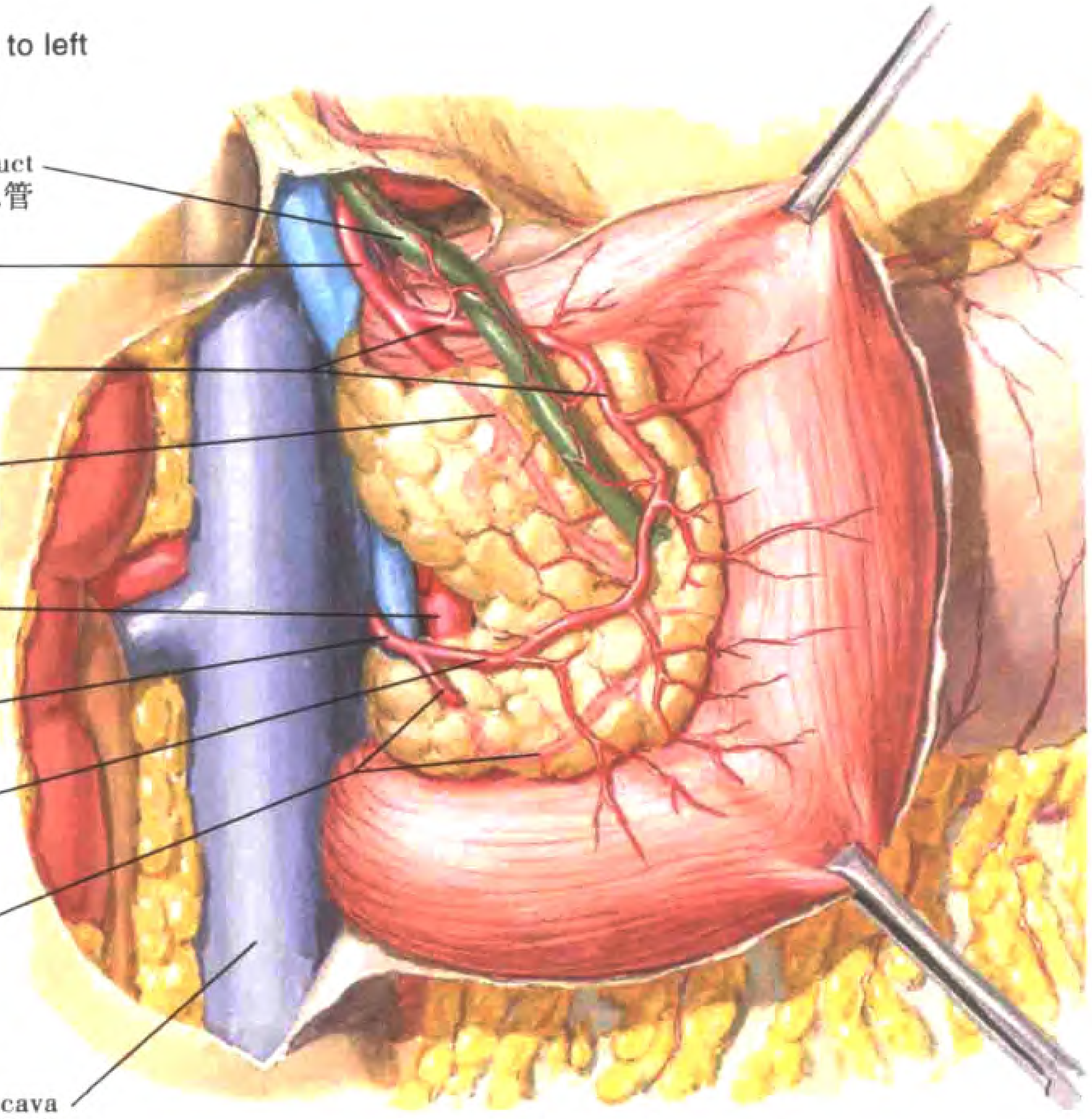


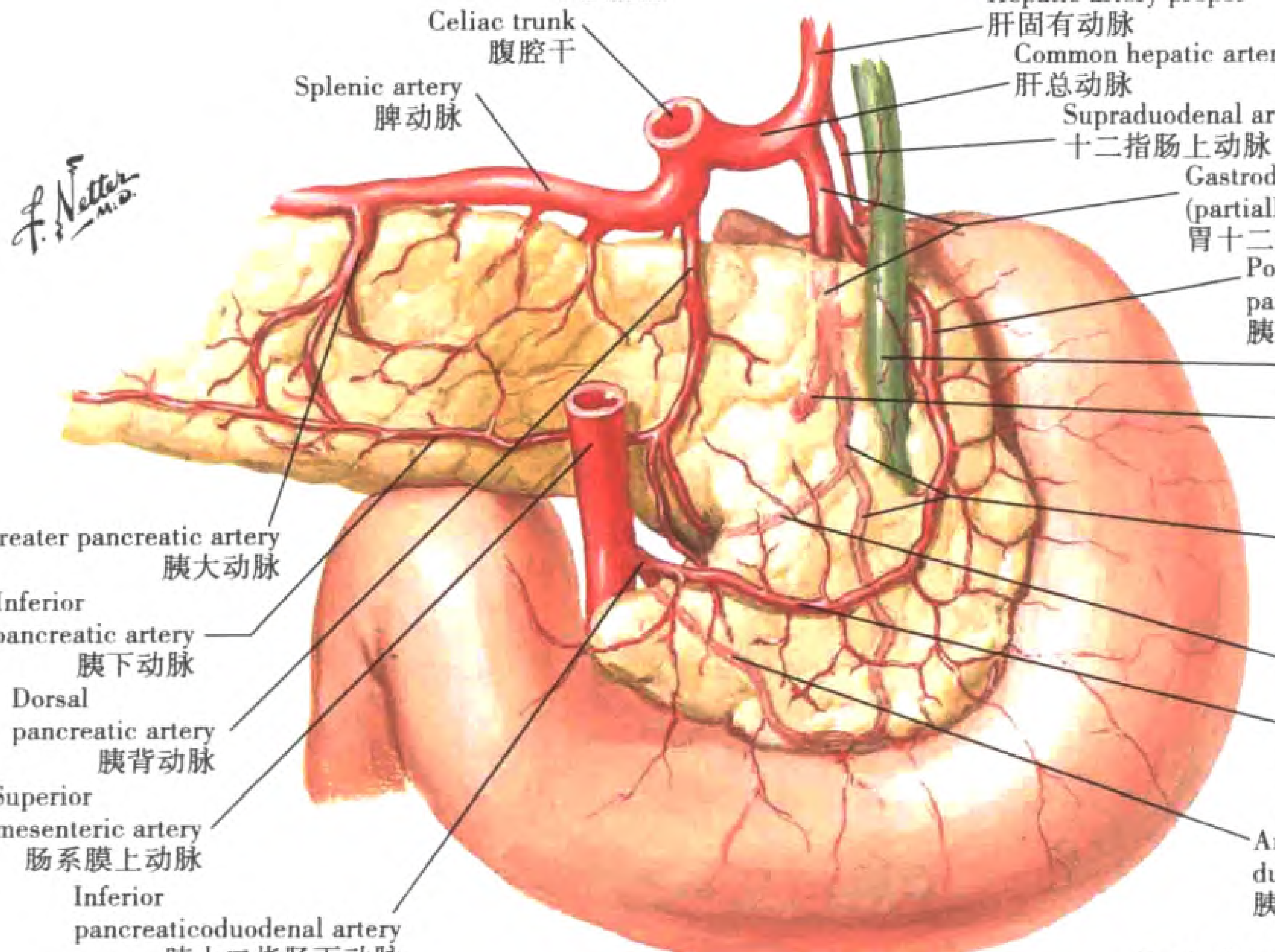
Right gastric artery
胃右动脉
Hepatic artery proper
肝固有动脉
Gastroduodenal artery
胃十二指肠动脉
Common hepatic artery
肝总动脉
Left gastric artery
胃左动脉
Splenic artery
脾动脉
Celiac trunk
腹腔干



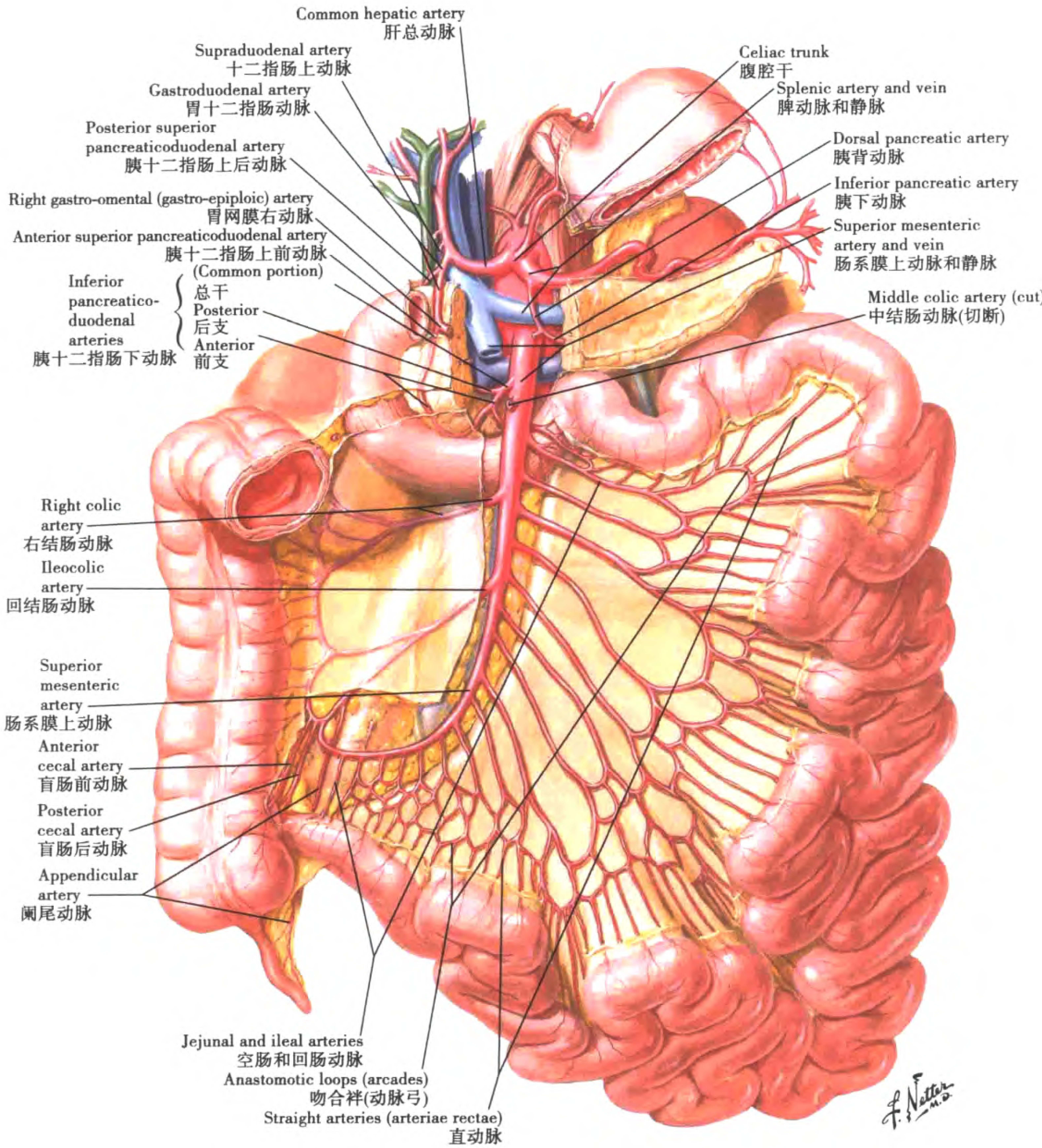
Abdominal aorta
腹主动脉
Left gastric artery
胃左动脉
Celiac trunk
腹腔干
Splenic artery
脾动脉
Common hepatic artery
肝总动脉
Left renal artery
左肾动脉
Superior mesenteric artery
肠系膜上动脉

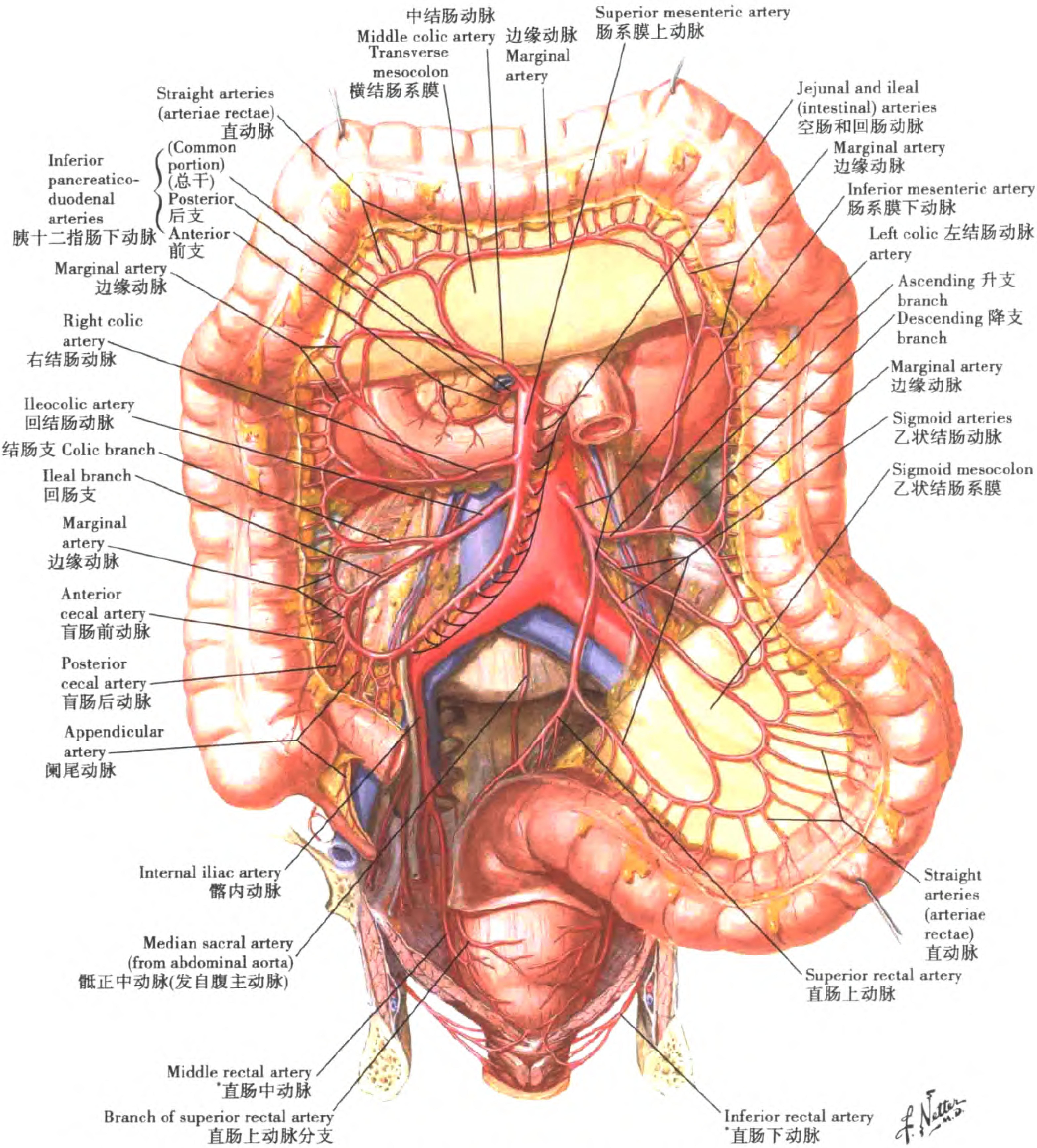
Duodenum and head of pancreas reflected to left
十二指肠和胰头翻向左侧



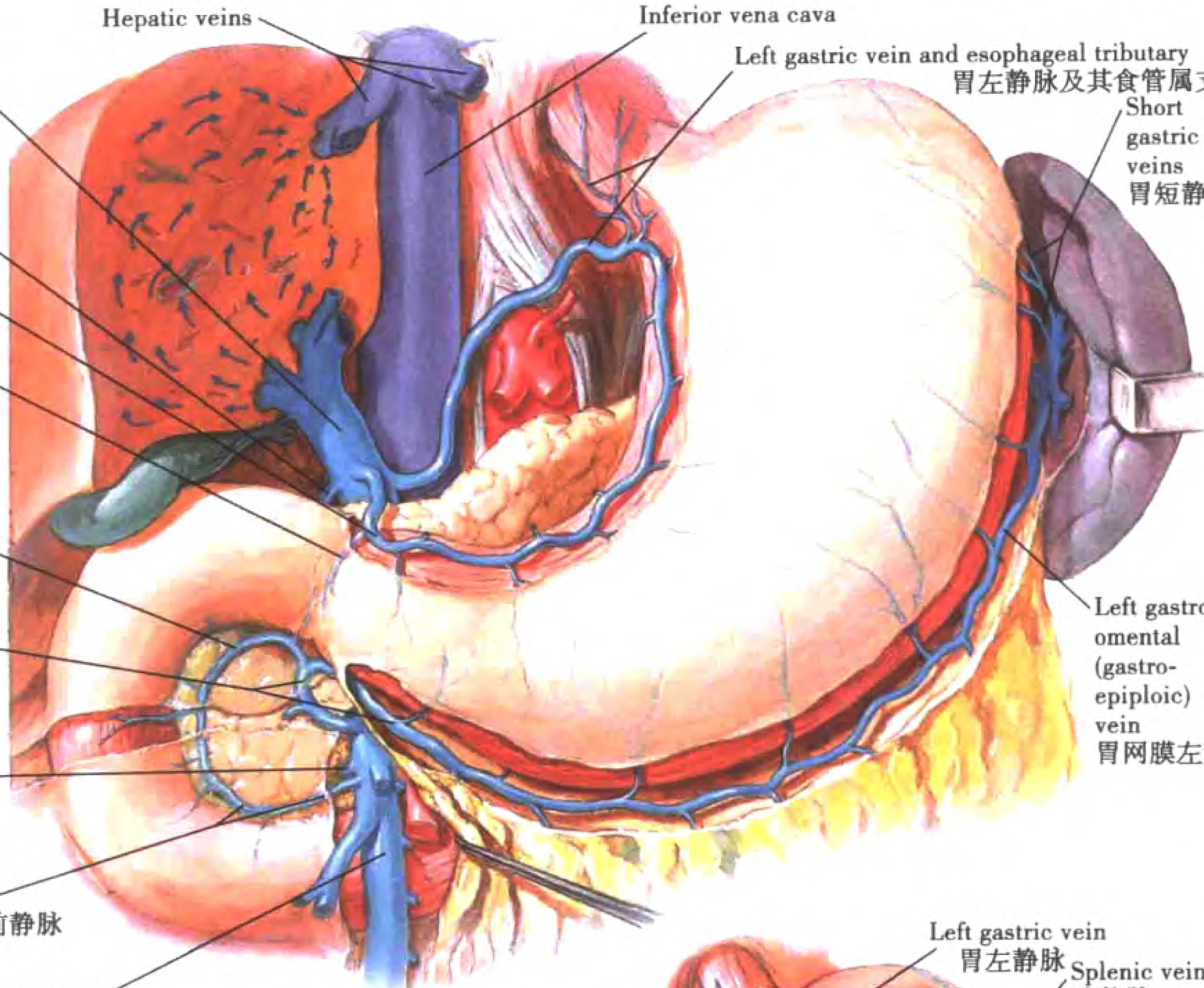


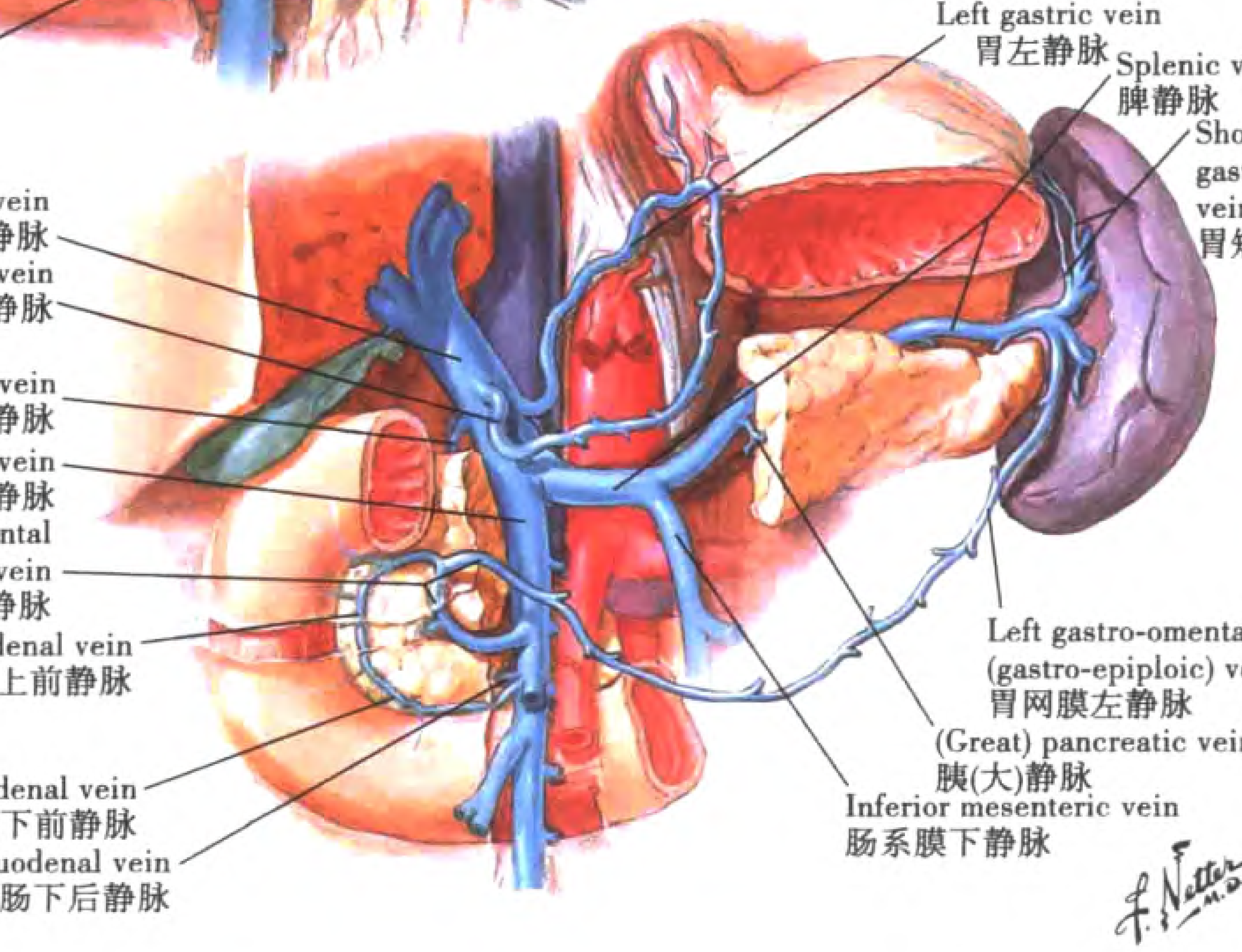
Posterior view
后面观

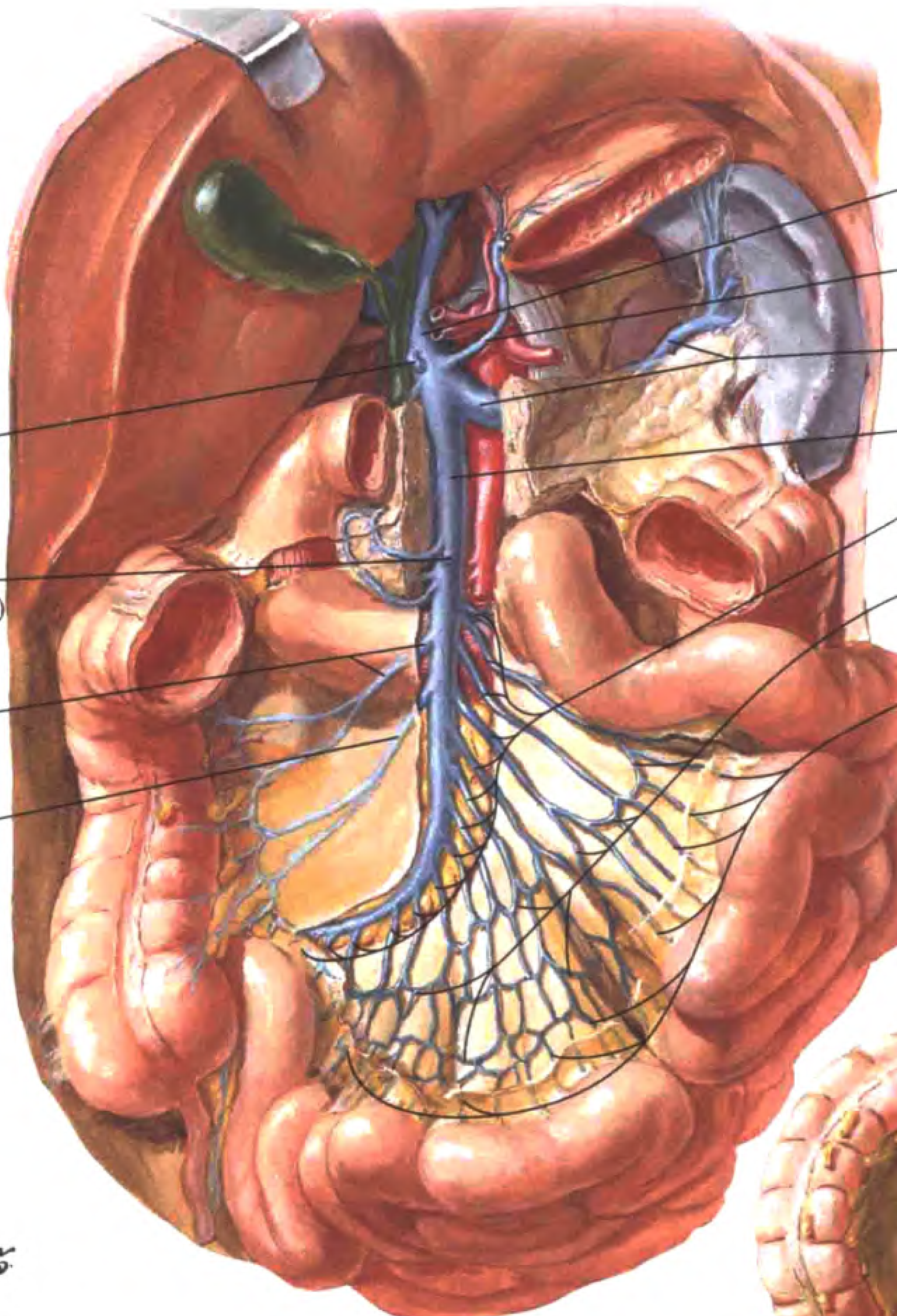

Common hepatic artery
肝总动脉
Supraduodenal artery
十二指肠上动脉
Gastroduodenal artery
胃十二指肠动脉
Posterior superior pancreaticoduodenal artery
胰十二指肠上后动脉
Right gastro-omental (gastro-epiploic) artery
胃网膜右动脉
Anterior superior pancreaticoduodenal artery
胰十二指肠上前动脉
Inferior pancreaticoduodenal arteries
胰十二指肠下动脉
(Common portion)
总干
Posterior
后支
Anterior
前支
Celiac trunk
腹腔干
Splenic artery and vein
脾动脉和静脉
Dorsal pancreatic artery
胰背动脉
Inferior pancreatic artery
胰下动脉
Superior mesenteric artery and vein
肠系膜上动脉和静脉
Middle colic artery (cut)
中结肠动脉(切断)
Right colic artery
右结肠动脉
Ileocolic artery
回结肠动脉
Superior mesenteric artery
肠系膜上动脉
Anterior cecal artery
盲肠前动脉
Posterior cecal artery
盲肠后动脉
Appendicular artery
阑尾动脉
Jejunal and ileal arteries
空肠和回肠动脉
Anastomotic loops (arcades)
吻合袢(动脉弓)
Straight arteries (arteriae rectae)
直动脉

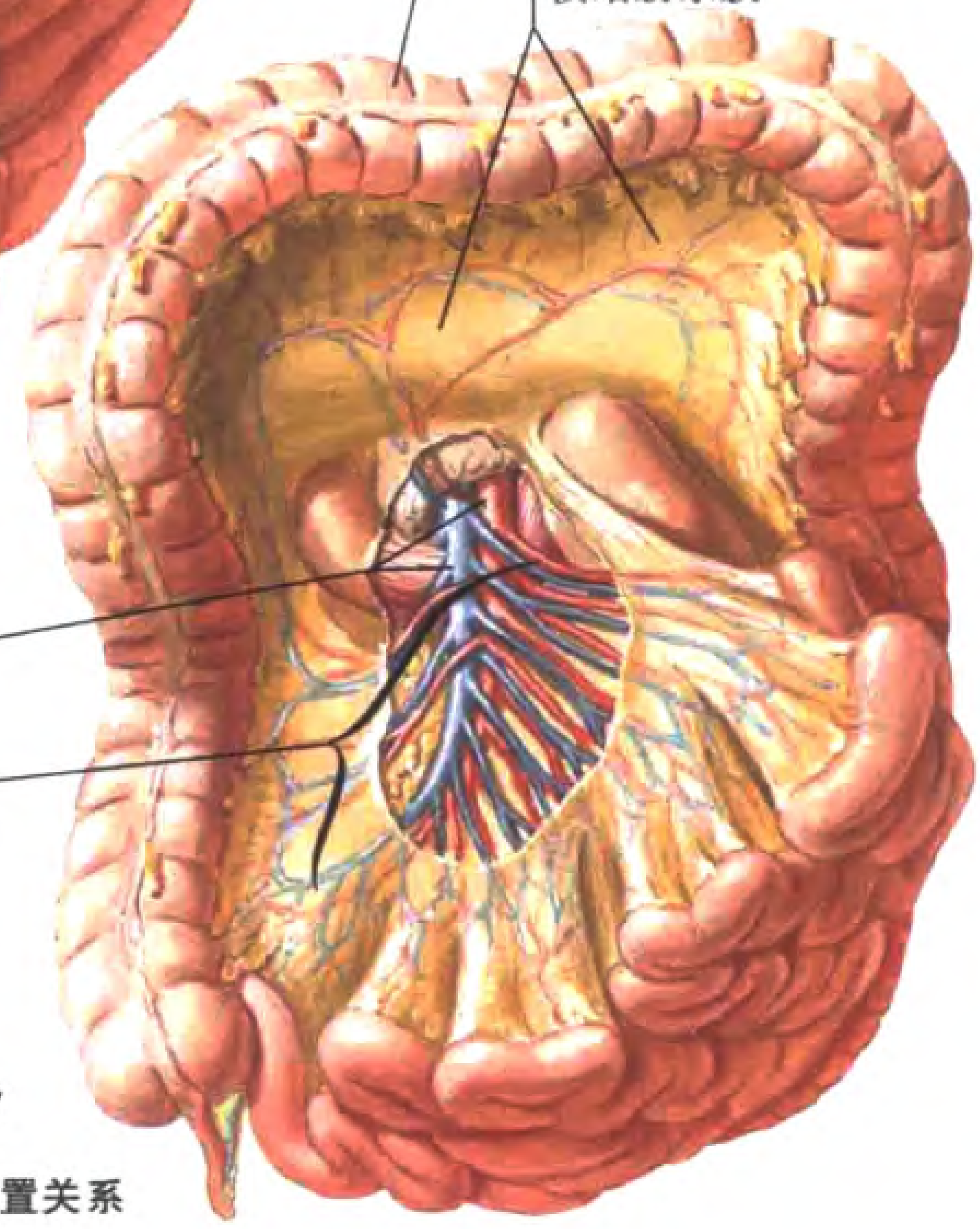


*译者注：此处的直肠中动脉在国内多称直肠下动脉，此处的直肠下动脉在国内多称肛动脉。


肝静脉
Hepatic veins
下腔静脉
Inferior vena cava
Hepatic portal vein
肝门静脉
Left gastric vein and esophageal tributary
胃左静脉及其食管属支
Short gastric veins
胃短静脉
Posterior superior pancreatico-duodenal vein
胰十二指肠上后静脉
Right gastric vein
胃右静脉
Prepyloric vein
幽门前静脉
Anterior superior pancreatico-duodenal vein
胰十二指肠上前静脉
Right gastro-omental (gastro-epiploic) vein
胃网膜右静脉
Left gastro-omental (gastro-epiploic) vein
胃网膜左静脉
Posterior inferior pancreatico-duodenal vein
胰十二指肠下后静脉
Anterior inferior pancreatico-duodenal vein
胰十二指肠下前静脉
Superior mesenteric vein
肠系膜上静脉

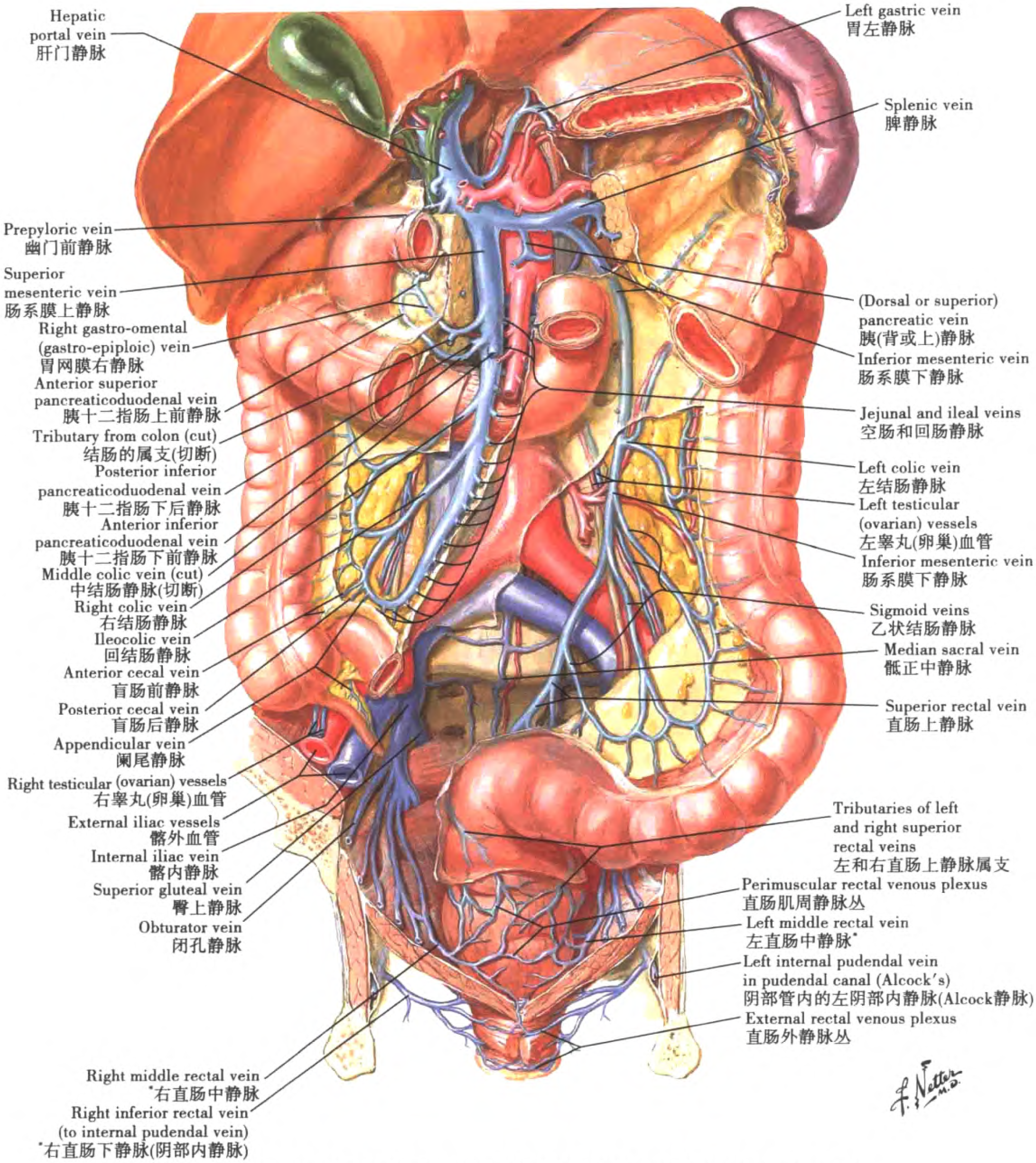

Left gastric vein
胃左静脉
Splenic vein
脾静脉
Short gastric veins
胃短静脉
Hepatic portal vein
肝门静脉
Right gastric vein
胃右静脉
Posterior superior pancreaticoduodenal vein
胰十二指肠上后静脉
Superior mesenteric vein
肠系膜上静脉
Right gastro-omental (gastro-epiploic) vein
胃网膜右静脉
Anterior superior pancreaticoduodenal vein
胰十二指肠上前静脉
Left gastro-omental (gastro-epiploic) vein
胃网膜左静脉
(Great) pancreatic vein
胰(大)静脉
Inferior mesenteric vein
肠系膜下静脉
Anterior inferior pancreaticoduodenal vein
胰十二指肠下前静脉
Posterior inferior pancreaticoduodenal vein
胰十二指肠下后静脉



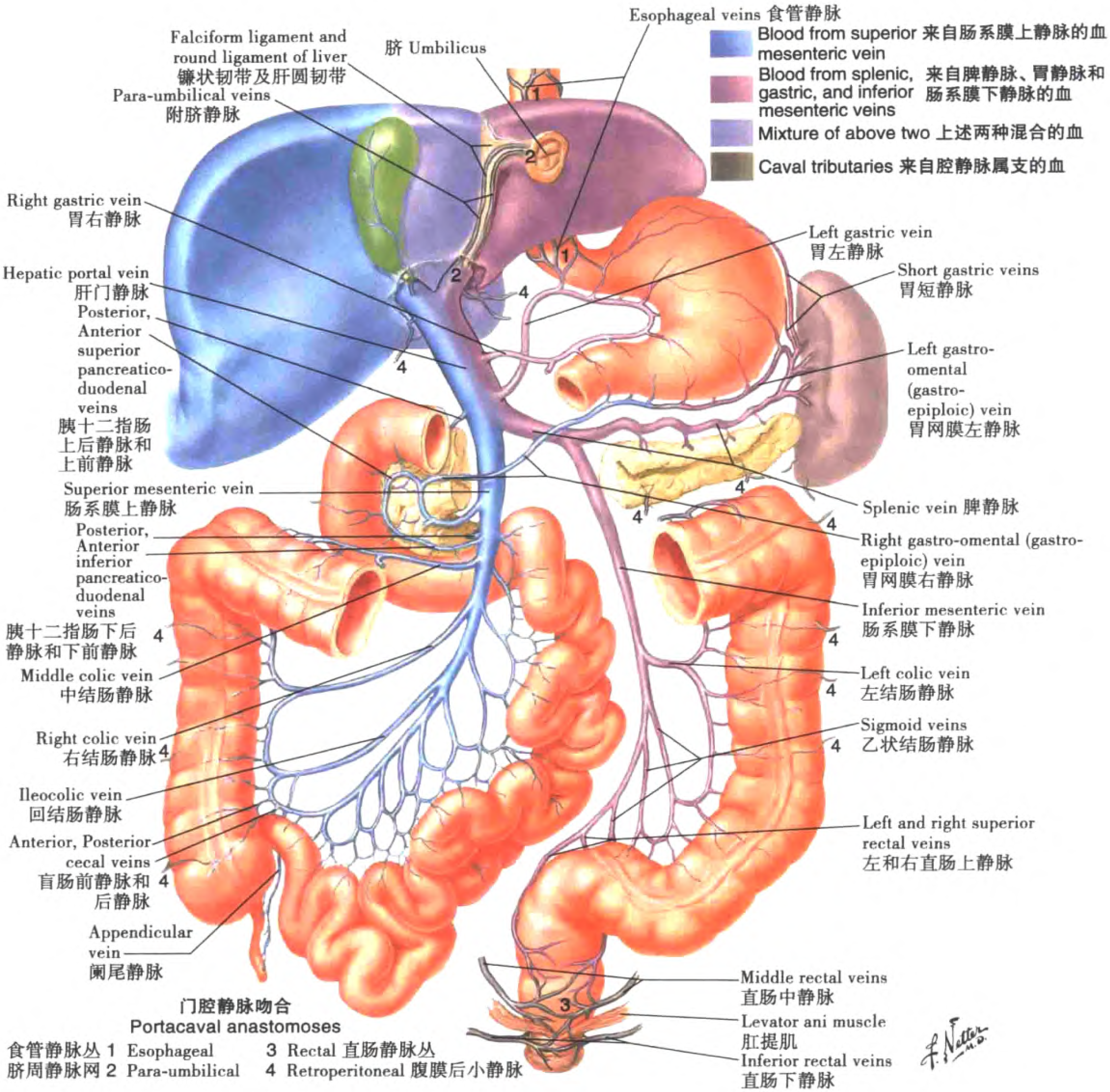


Relations of superior mesenteric vein and artery in root of mesentery
肠系膜上动静脉在肠系膜根的位置关系

直肠的静脉参见图 377

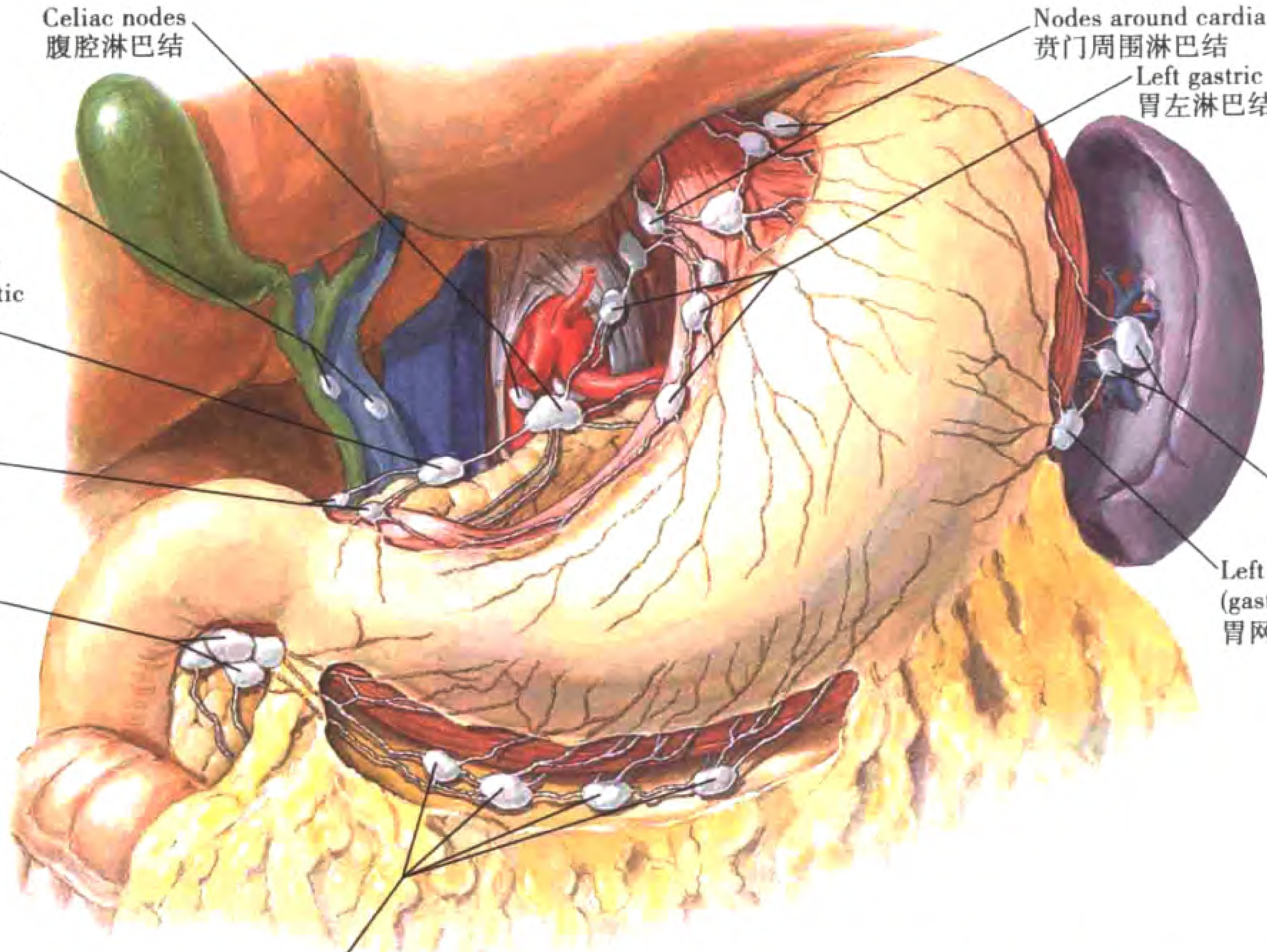


*译者注：此处的直肠中静脉在国内多称直肠下静脉，此处的直肠下静脉在国内多称肛静脉。

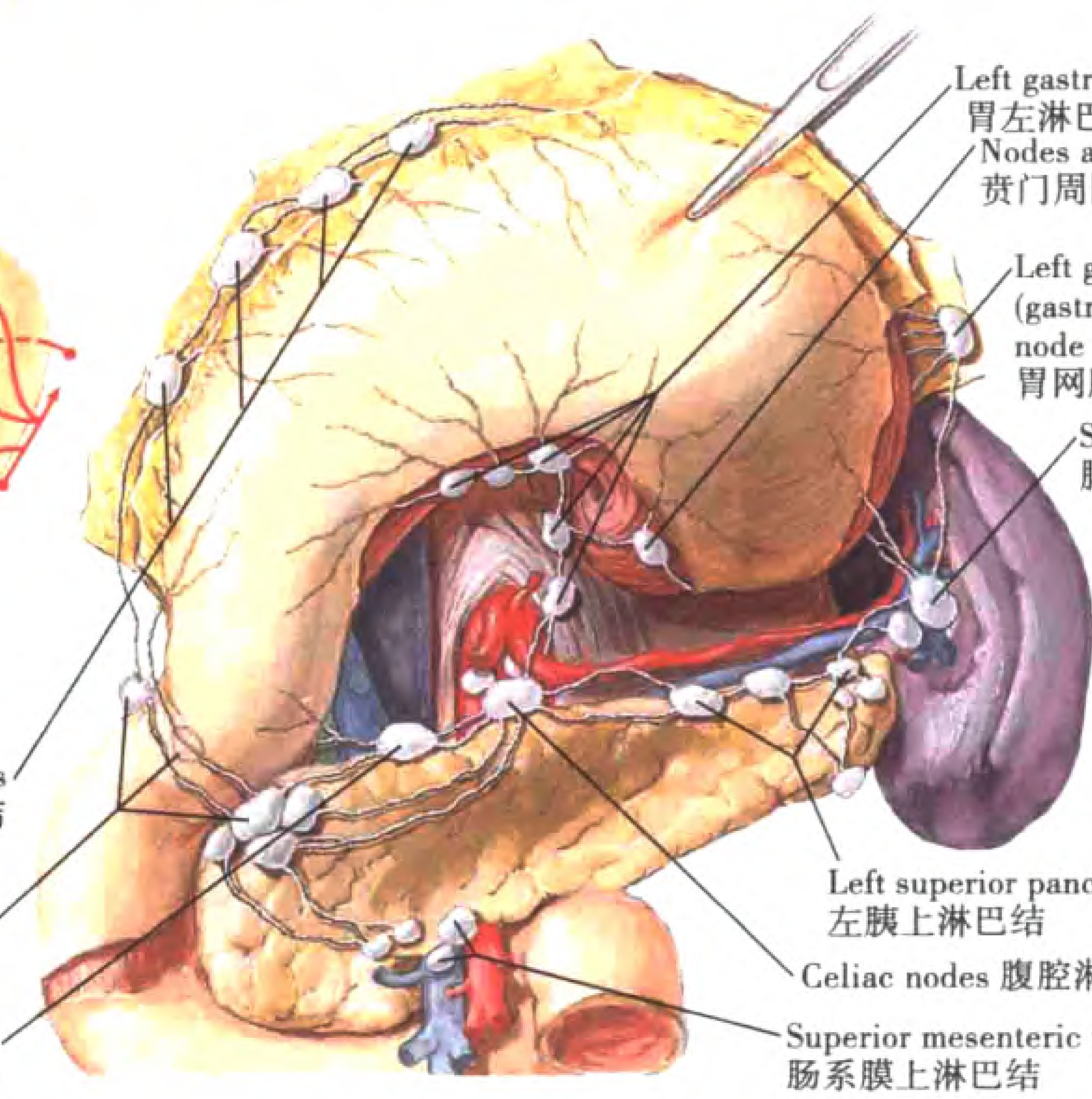


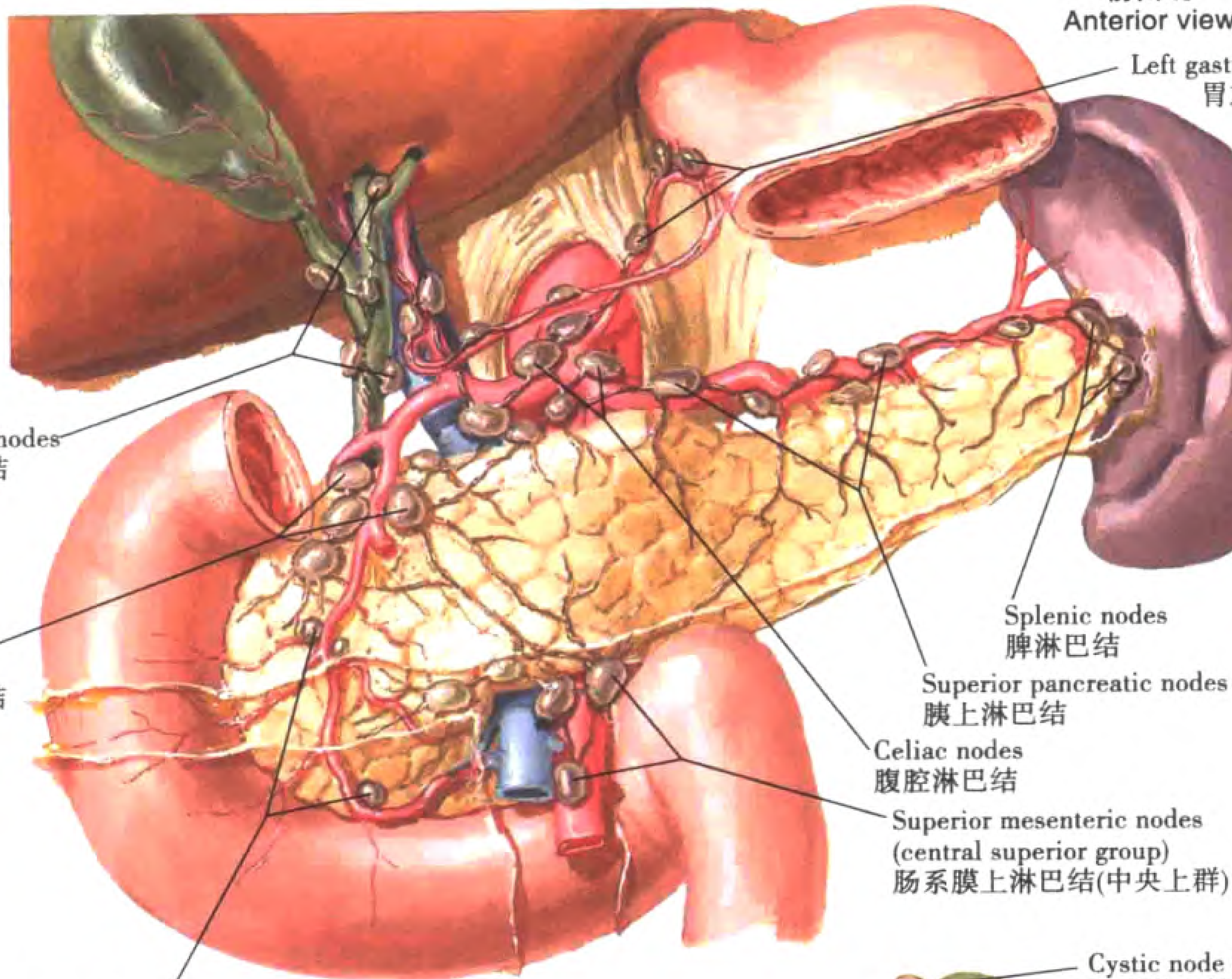
门腔静脉吻合
Portacaval anastomoses

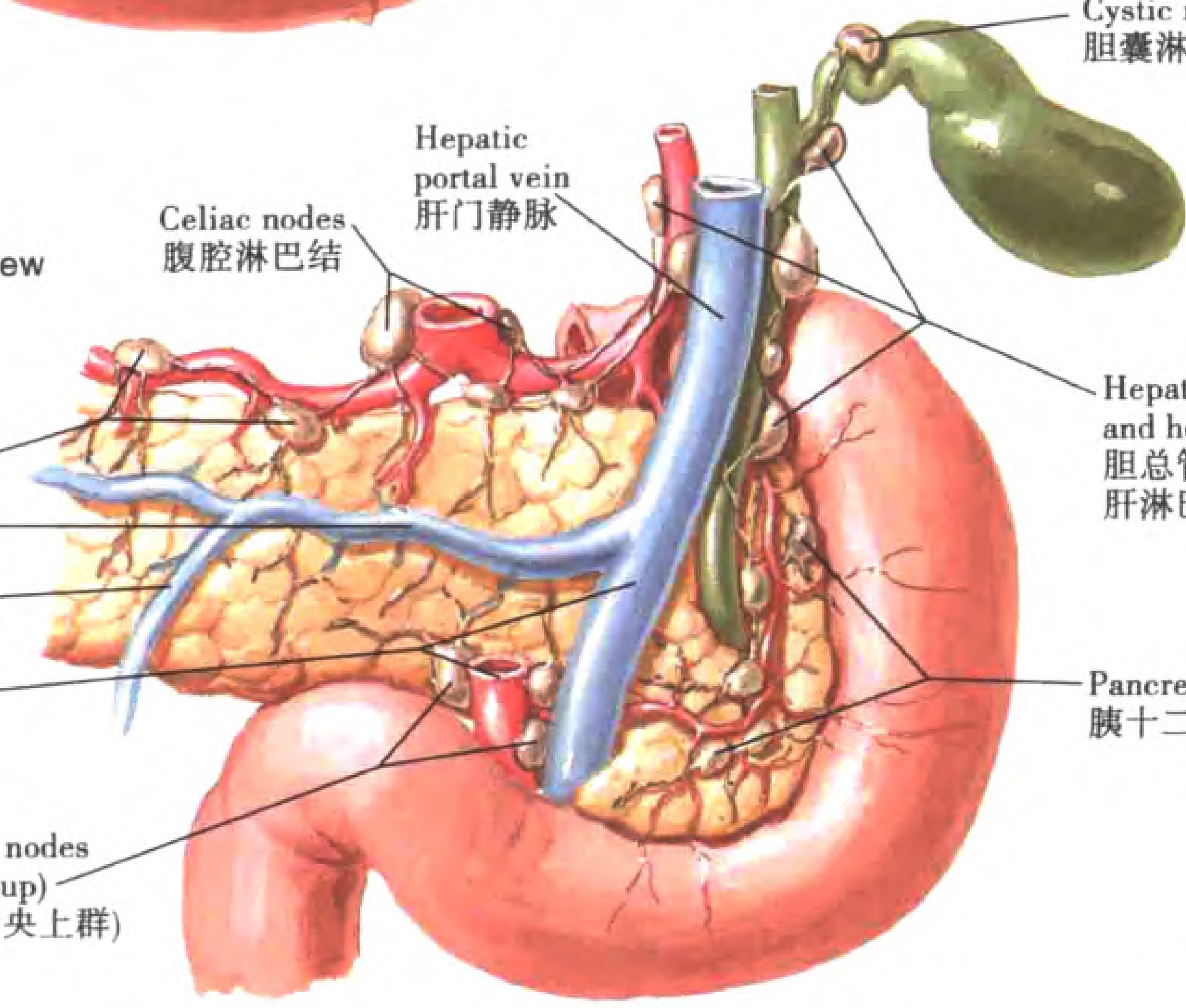
食管静脉丛 1 Esophageal
脐周静脉网 2 Para-umbilical
3 Rectal 直肠静脉丛
4 Retroperitoneal 腹膜后小静脉

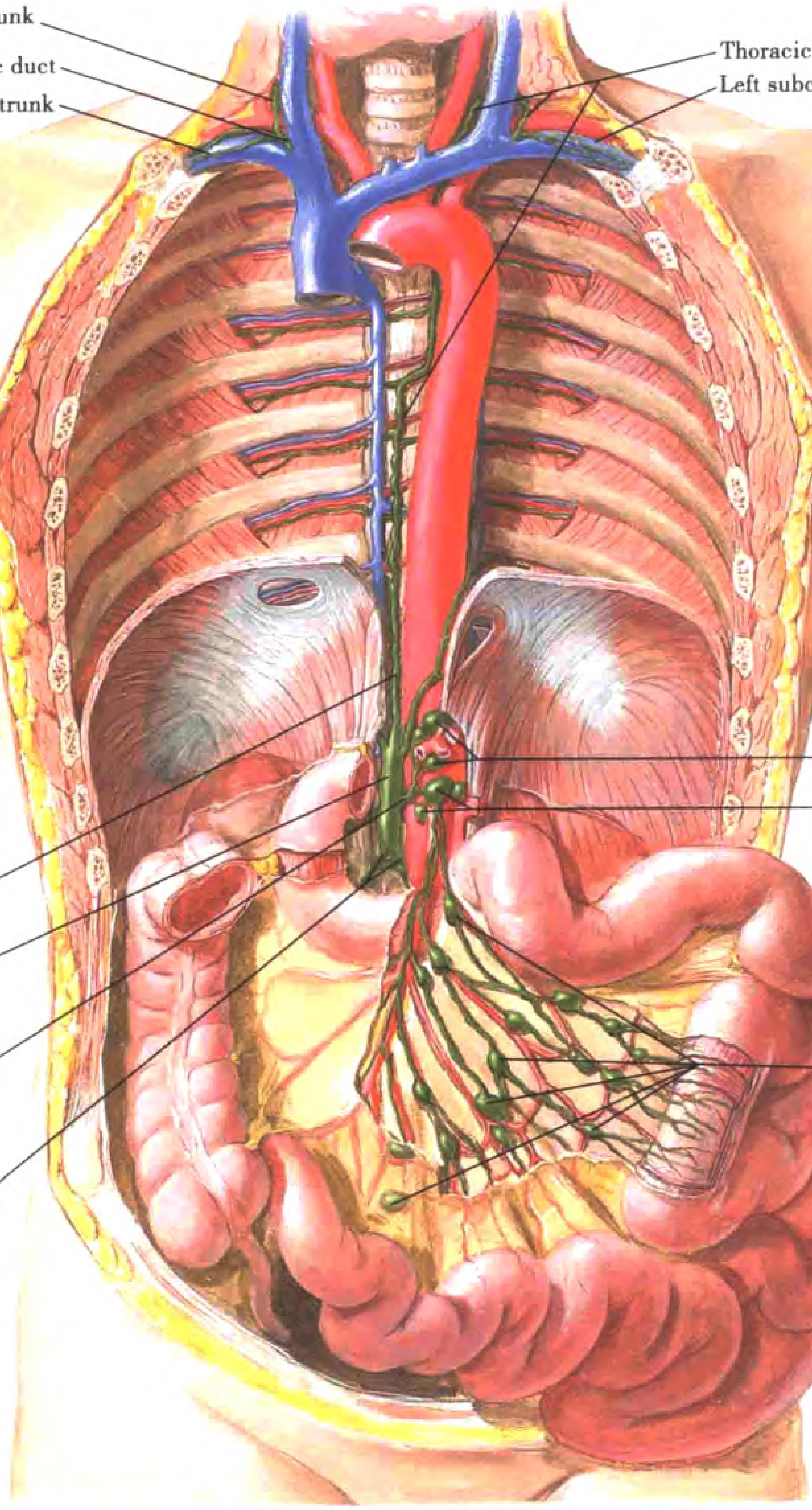

Celiac nodes
腹腔淋巴结
Nodes around cardia
贲门周围淋巴结
Left gastric nodes
胃左淋巴结
Hepatic nodes
肝淋巴结
Right superior pancreatic node
右胰上淋巴结
Supra-pyloric nodes
幽门上淋巴结
Sub-pyloric nodes
幽门下静脉
Splenic nodes
脾淋巴结
Left gastro-omental (gastro-epiploic) node
胃网膜左淋巴结
Right gastro-omental (gastro-epiploic) nodes
胃网膜右淋巴结

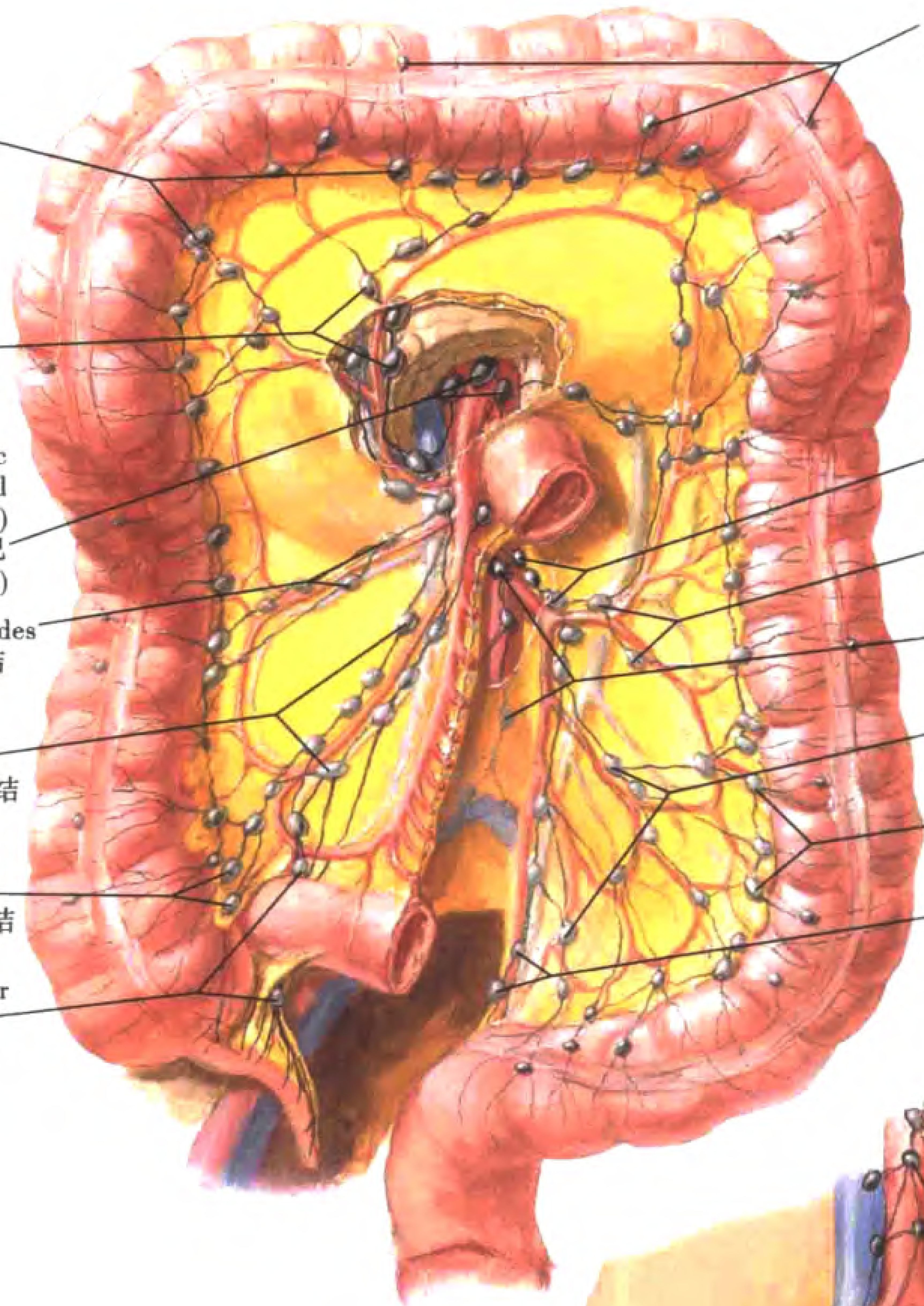

To cisterna chyli
汇至乳糜池
Zones and pathways of gastric lymph drainage (zones not sharply demarcated)
胃的淋巴引流途径和引流区(引流区无严格界限)

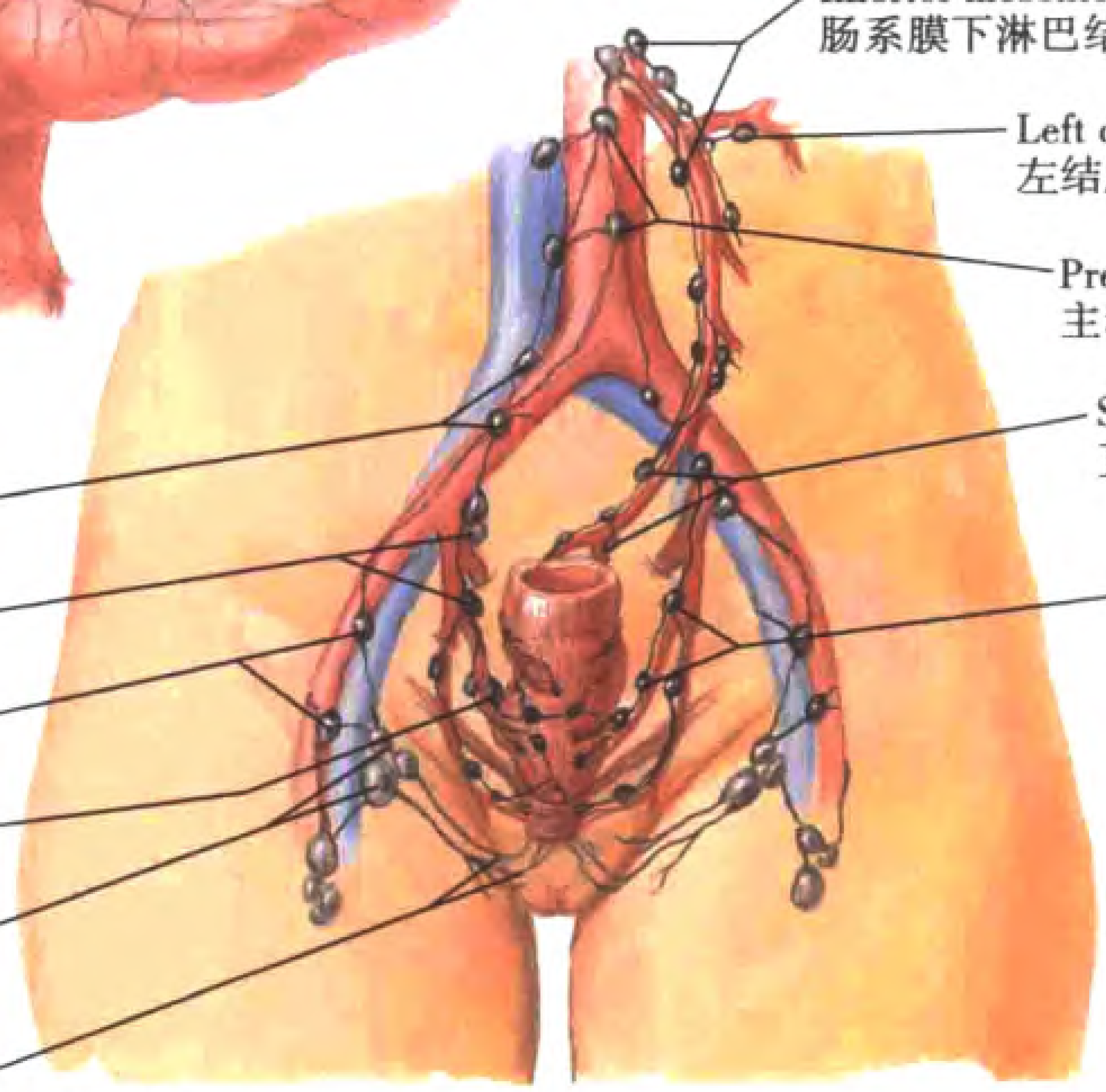

Left gastric nodes
胃左淋巴结
Nodes around cardia
贲门周围淋巴结
Left gastro-omental (gastro-epiploic) node
胃网膜左淋巴结
Splenic nodes
脾淋巴结
Right gastro-omental (gastro-epiploic) nodes
胃网膜右淋巴结
Suprapyloric, retropyloric, and subpyloric nodes
幽门上、后和下淋巴结
Right superior pancreatic node
右胰上淋巴结
Left superior pancreatic nodes
左胰上淋巴结
Celiac nodes 腹腔淋巴结
Superior mesenteric nodes
肠系膜上淋巴结

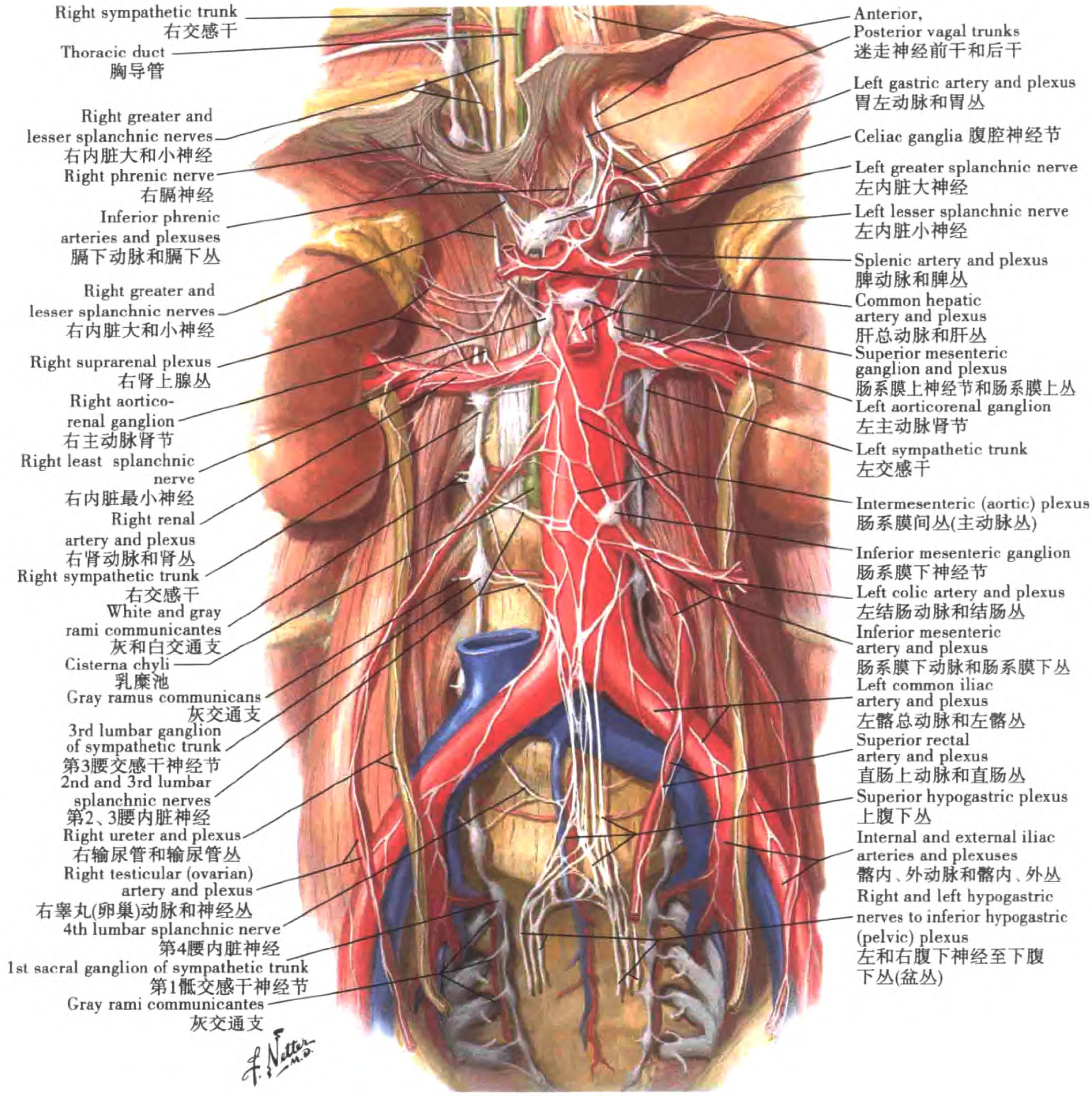

前面观
Anterior view
Left gastric nodes
胃左淋巴结
Hepatic nodes
肝淋巴结
Pyloric nodes
幽门淋巴结
Splenic nodes
脾淋巴结
Superior pancreatic nodes
胰上淋巴结
Celiac nodes
腹腔淋巴结
Superior mesenteric nodes
(central superior group)
肠系膜上淋巴结(中央上群)
Pancreaticoduodenal nodes
胰十二指肠淋巴结

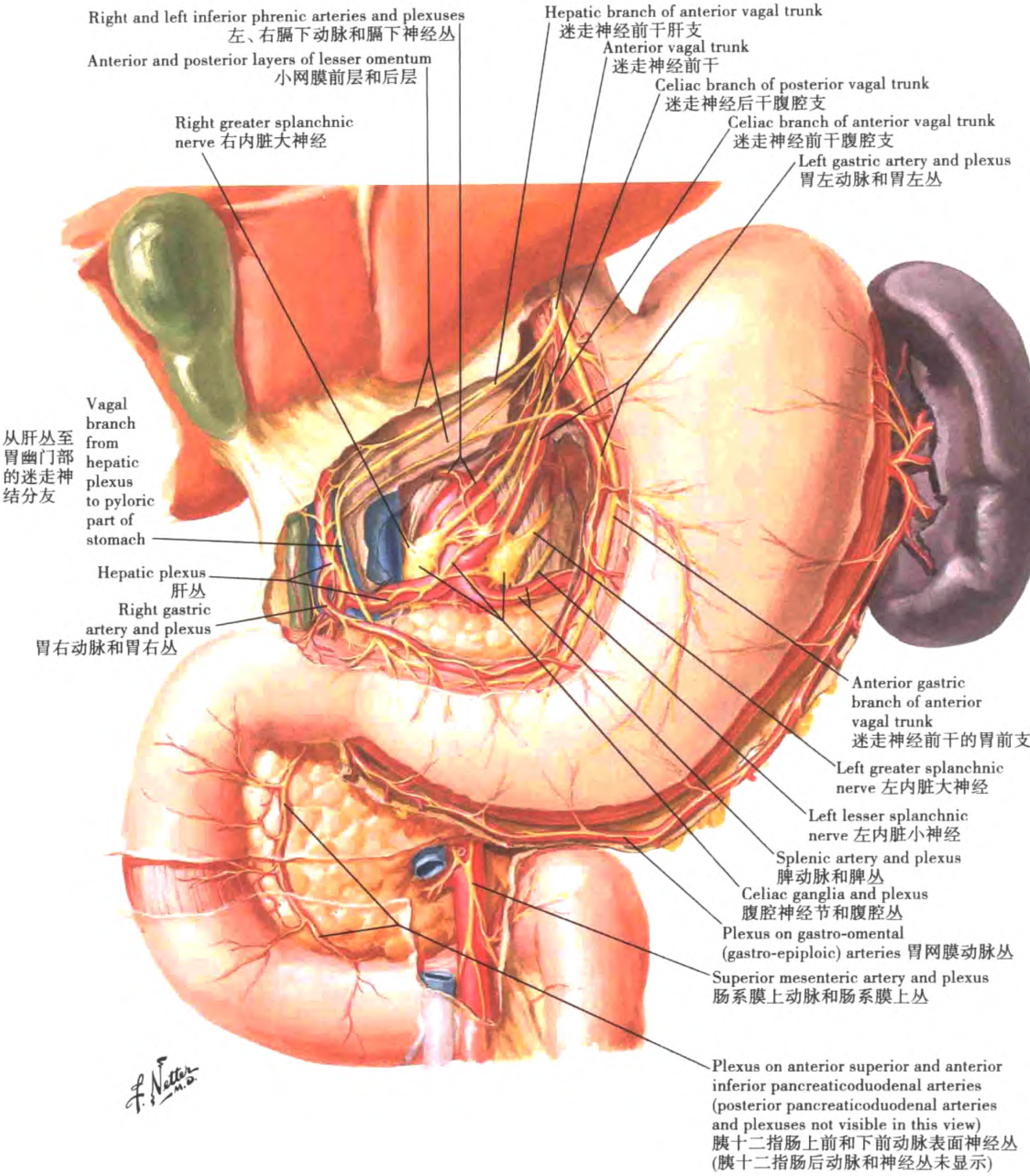

Cystic node (of Calot)
胆囊淋巴结(Calot淋巴结)
Hepatic portal vein
肝门静脉
Celiac nodes
腹腔淋巴结
Posterior view
后面观
Superior pancreatic nodes
胰上淋巴结
脾静脉 Splenic vein
Inferior mesenteric vein
肠系膜下静脉
Superior mesenteric artery and vein
肠系膜上血管
Superior mesenteric nodes
(central superior group)
肠系膜上淋巴结(中央上群)
Hepatic nodes around bile ducts and hepatic artery proper
胆总管和肝固有动脉周围的肝淋巴结
Pancreaticoduodenal nodes
胰十二指肠淋巴结
F. Netter M.D.

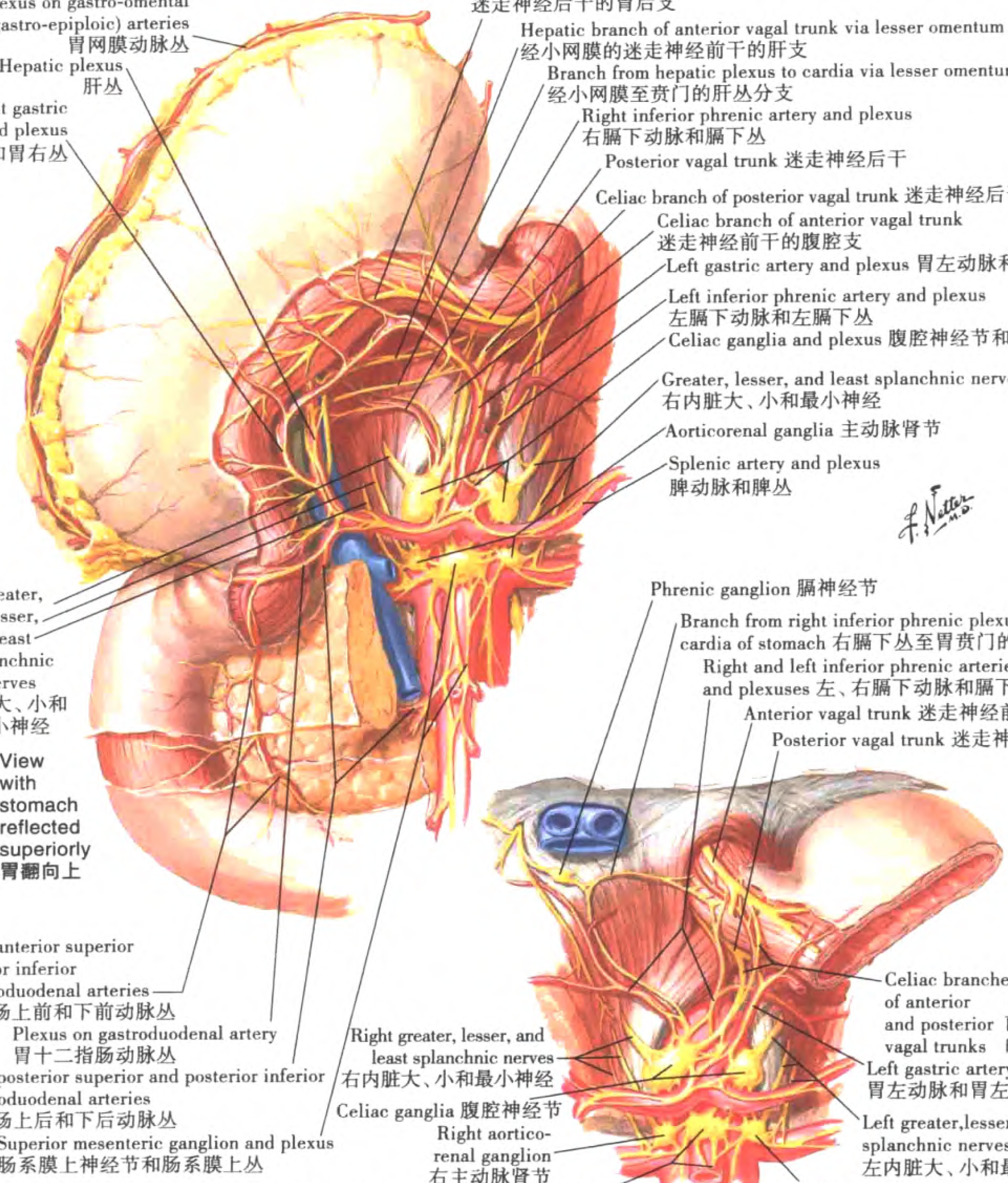

右颈干 Right jugular trunk
右淋巴导管 Right lymphatic duct
右锁骨下干 Right subclavian trunk
Thoracic duct 胸导管
Left subclavian trunk 左锁骨下干
Celiac nodes
腹腔淋巴结
Superior mesenteric
nodes (central
superior group)
肠系膜上淋巴结(中央上群)
Thoracic duct
胸导管
Cisterna chyli
乳糜池
Intestinal
lymphatic
trunk
肠干
Superior mesenteric
nodes (juxta-intestinal
group)
肠系膜上淋巴结
(肠管旁群)
Right and
left lumbar
lymphatic
trunks
左和右腰干
F. Netter M.D.
C. Machado M.D.


Epicolic nodes
结肠上淋巴结
Paracolic nodes
结肠旁淋巴结
Middle colic nodes
中结肠淋巴结
Superior mesenteric nodes (central superior group)
肠系膜上淋巴结(中央上群)
Right colic nodes
右结肠淋巴结
Ileocolic nodes
回结肠淋巴结
Prececal nodes
盲肠前淋巴结
Appendicular nodes
阑尾淋巴结
Inferior mesenteric nodes
肠系膜下淋巴结
Left colic nodes
左结肠淋巴结
Pre-aortic nodes
主动脉前淋巴结
Sigmoid nodes
乙状结肠淋巴结
Paracolic nodes
结肠旁淋巴结
Superior rectal nodes
直肠上淋巴结


Inferior mesenteric nodes
肠系膜下淋巴结
Left colic nodes
左结肠淋巴结
Pre-aortic nodes
主动脉前淋巴结
Superior rectal nodes
直肠上淋巴结
Middle rectal nodes
直肠中淋巴结
Common iliac nodes
髂总淋巴结
Internal iliac nodes
髂内淋巴结
External iliac nodes
髂外淋巴结
Middle rectal nodes
直肠中淋巴结
Superficial inguinal nodes
腹股沟浅淋巴结
Perineal lymph vessels (drain largely to inguinal nodes)
会阴淋巴管 (大部分引流至腹股沟淋巴结)

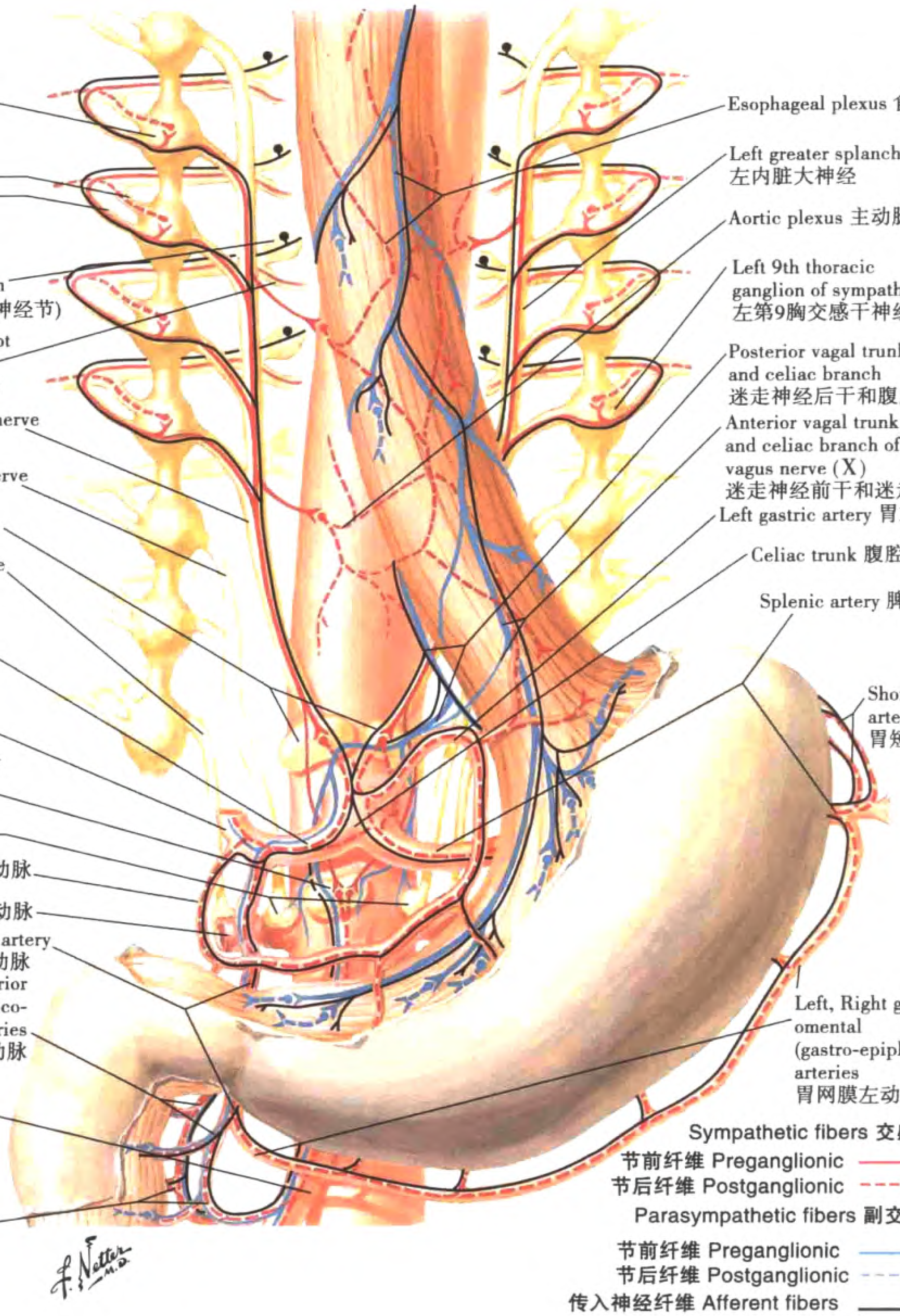

Right sympathetic trunk
右交感干
Thoracic duct
胸导管
Right greater and lesser splanchnic nerves
右内脏大和小神经
Right phrenic nerve
右膈神经
Inferior phrenic arteries and plexuses
膈下动脉和膈下丛
Right greater and lesser splanchnic nerves
右内脏大和小神经
Right suprarenal plexus
右肾上腺丛
Right aortico-renal ganglion
右主动脉肾节
Right least splanchnic nerve
右内脏最小神经
Right renal artery and plexus
右肾动脉和肾丛
Right sympathetic trunk
右交感干
White and gray rami communicantes
灰和白交通支
Cisterna chyli
乳糜池
Gray ramus communicans
灰交通支
3rd lumbar ganglion of sympathetic trunk
第3腰交感干神经节
2nd and 3rd lumbar splanchnic nerves
第2、3腰内脏神经
Right ureter and plexus
右输尿管和输尿管丛
Right testicular (ovarian) artery and plexus
右睾丸(卵巢)动脉和神经丛
4th lumbar splanchnic nerve
第4腰内脏神经
1st sacral ganglion of sympathetic trunk
第1骶交感干神经节
Gray rami communicantes
灰交通支
Anterior, Posterior vagal trunks
迷走神经前干和后干
Left gastric artery and plexus
胃左动脉和胃丛
Celiac ganglia 腹腔神经节
Left greater splanchnic nerve
左内脏大神经
Left lesser splanchnic nerve
左内脏小神经
Splenic artery and plexus
脾动脉和脾丛
Common hepatic artery and plexus
肝总动脉和肝丛
Superior mesenteric ganglion and plexus
肠系膜上神经节和肠系膜上丛
Left aorticorenal ganglion
左主动脉肾节
Left sympathetic trunk
左交感干
Intermesenteric (aortic) plexus
肠系膜间丛(主动脉丛)
Inferior mesenteric ganglion
肠系膜下神经节
Left colic artery and plexus
左结肠动脉和结肠丛
Inferior mesenteric artery and plexus
肠系膜下动脉和肠系膜下丛
Left common iliac artery and plexus
左髂总动脉和左髂丛
Superior rectal artery and plexus
直肠上动脉和直肠丛
Superior hypogastric plexus
上腹下丛
Internal and external iliac arteries and plexuses
髂内、外动脉和髂内、外丛
Right and left hypogastric nerves to inferior hypogastric (pelvic) plexus
左和右腹下神经至下腹下丛(盆丛)
F. Netter M.D.

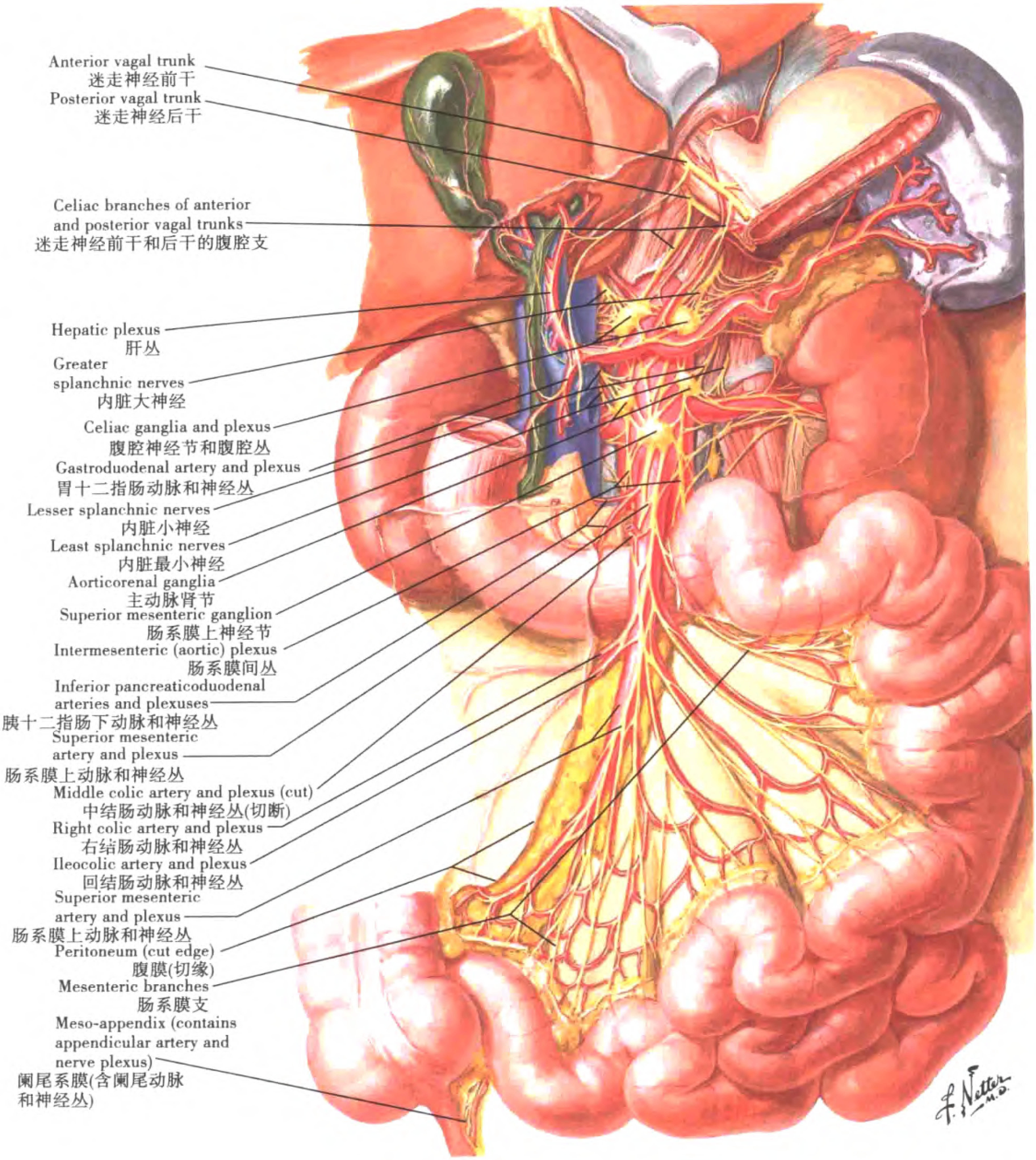

Right and left inferior phrenic arteries and plexuses
左、右膈下动脉和膈下神经丛
Anterior and posterior layers of lesser omentum
小网膜前层和后层
Right greater splanchnic nerve 右内脏大神经
Hepatic branch of anterior vagal trunk
迷走神经前干肝支
Anterior vagal trunk
迷走神经前干
Celiac branch of posterior vagal trunk
迷走神经后干腹腔支
Celiac branch of anterior vagal trunk
迷走神经前干腹腔支
Left gastric artery and plexus
胃左动脉和胃左丛
Vagal branch from hepatic plexus to pyloric part of stomach
从肝丛至胃幽门部的迷走神经分支
Hepatic plexus
肝丛
Right gastric artery and plexus
胃右动脉和胃右丛
Anterior gastric branch of anterior vagal trunk
迷走神经前干的胃前支
Left greater splanchnic nerve 左内脏大神经
Left lesser splanchnic nerve 左内脏小神经
Splenic artery and plexus
脾动脉和脾丛
Celiac ganglia and plexus
腹腔神经节和腹腔丛
Plexus on gastro-omental (gastro-epiploic) arteries 胃网膜动脉丛
Superior mesenteric artery and plexus
肠系膜上动脉和肠系膜上丛
Plexus on anterior superior and anterior inferior pancreaticoduodenal arteries (posterior pancreaticoduodenal arteries and plexuses not visible in this view)
胰十二指肠上前和下前动脉表面神经丛
(胰十二指肠后动脉和神经丛未显示)
F. Netter M.D.


Posterior gastric branch of posterior vagal trunk
迷走神经后干的胃后支
Plexus on gastro-omental (gastro-epiploic) arteries
胃网膜动脉丛
Hepatic branch of anterior vagal trunk via lesser omentum
经小网膜的迷走神经前干的肝支
Hepatic plexus
肝丛
Branch from hepatic plexus to cardia via lesser omentum
经小网膜至贲门的肝丛分支
Right gastric artery and plexus
胃右动脉和胃右丛
Right inferior phrenic artery and plexus
右膈下动脉和膈下丛
Posterior vagal trunk 迷走神经后干
Celiac branch of posterior vagal trunk 迷走神经后干的腹腔支
Celiac branch of anterior vagal trunk
迷走神经前干的腹腔支
Left gastric artery and plexus 胃左动脉和胃左丛
Left inferior phrenic artery and plexus
左膈下动脉和左膈下丛
Celiac ganglia and plexus 腹腔神经节和腹腔丛
Greater, lesser, and least splanchnic nerves
右内脏大、小和最小神经
Aorticorenal ganglia 主动脉肾节
Splenic artery and plexus
脾动脉和脾丛
Greater,
Lesser,
Least
splanchnic
nerves
内脏大、小和
最小神经
View
with
stomach
reflected
superiorly
胃翻向上
Phrenic ganglion 膈神经节
Branch from right inferior phrenic plexus to cardia of stomach 右膈下丛至胃贲门的分支
Right and left inferior phrenic arteries and plexuses 左、右膈下动脉和膈下神经丛
Anterior vagal trunk 迷走神经前干
Posterior vagal trunk 迷走神经后干
Plexus on anterior superior and anterior inferior pancreaticoduodenal arteries
胰十二指肠上前和下前动脉丛
Plexus on gastroduodenal artery
胃十二指肠动脉丛
Plexus on posterior superior and posterior inferior pancreaticoduodenal arteries
胰十二指肠上后和下后动脉丛
Superior mesenteric ganglion and plexus
肠系膜上神经节和肠系膜上丛
Right greater, lesser, and least splanchnic nerves
右内脏大、小和最小神经
Celiac ganglia 腹腔神经节
Right aortico-renal ganglion
右主动脉肾节
Superior mesenteric ganglion and plexus
肠系膜上神经节和肠系膜上丛
Celiac branches of anterior and posterior vagal trunks
迷走神经前干和后干的腹腔支
Left gastric artery and plexus
胃左动脉和胃左丛
Left greater, lesser, and least splanchnic nerves
左内脏大、小和最小神经
Left aorticorenal ganglion
左主动脉肾节

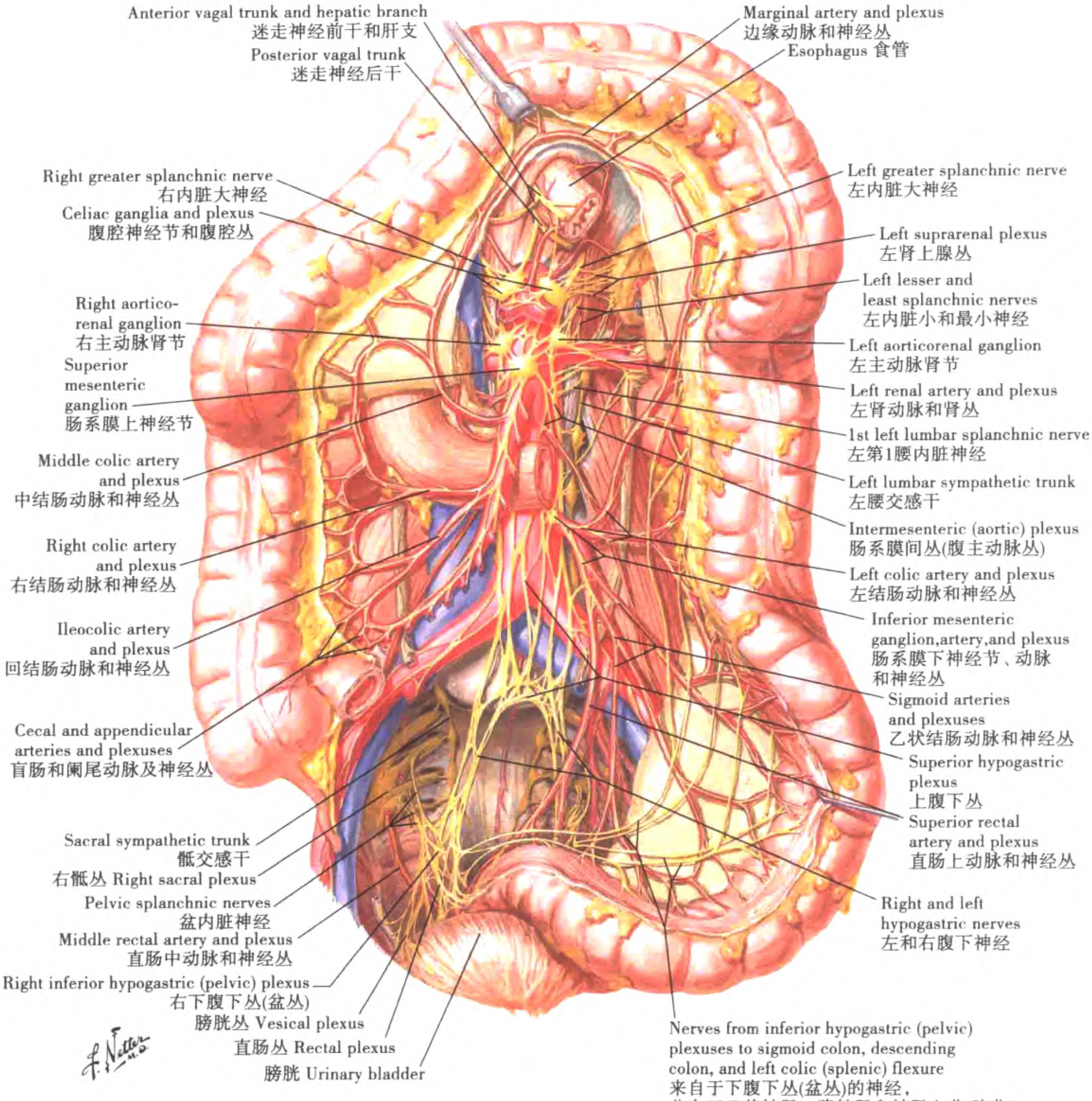
胃和十二指肠的自主神经支配:示意图

参见图163,164



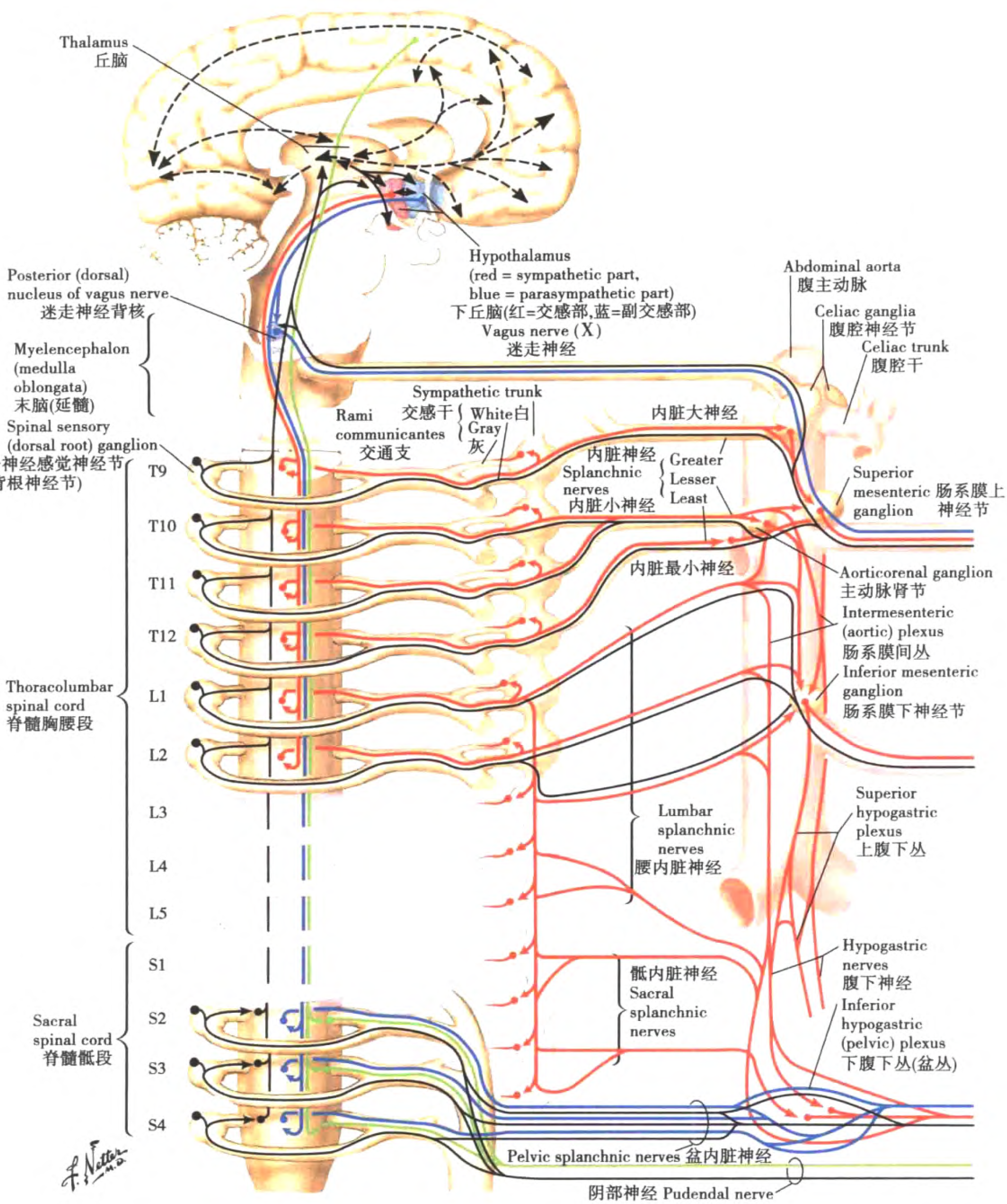

Anterior vagal trunk
迷走神经前干
Posterior vagal trunk
迷走神经后干
Celiac branches of anterior and posterior vagal trunks
迷走神经前干和后干的腹腔支
Hepatic plexus
肝丛
Greater splanchnic nerves
内脏大神经
Celiac ganglia and plexus
腹腔神经节和腹腔丛
Gastroduodenal artery and plexus
胃十二指肠动脉和神经丛
Lesser splanchnic nerves
内脏小神经
Least splanchnic nerves
内脏最小神经
Aorticorenal ganglia
主动脉肾节
Superior mesenteric ganglion
肠系膜上神经节
Intermesenteric (aortic) plexus
肠系膜间丛
Inferior pancreaticoduodenal arteries and plexuses
胰十二指肠下动脉和神经丛
Superior mesenteric artery and plexus
肠系膜上动脉和神经丛
Middle colic artery and plexus (cut)
中结肠动脉和神经丛(切断)
Right colic artery and plexus
右结肠动脉和神经丛
Ileocolic artery and plexus
回结肠动脉和神经丛
Superior mesenteric artery and plexus
肠系膜上动脉和神经丛
Peritoneum (cut edge)
腹膜(切缘)
Mesenteric branches
肠系膜支
Meso-appendix (contains appendicular artery and nerve plexus)
阑尾系膜(含阑尾动脉和神经丛)
F. Netter M.D.

直肠的神经参见图 388-391

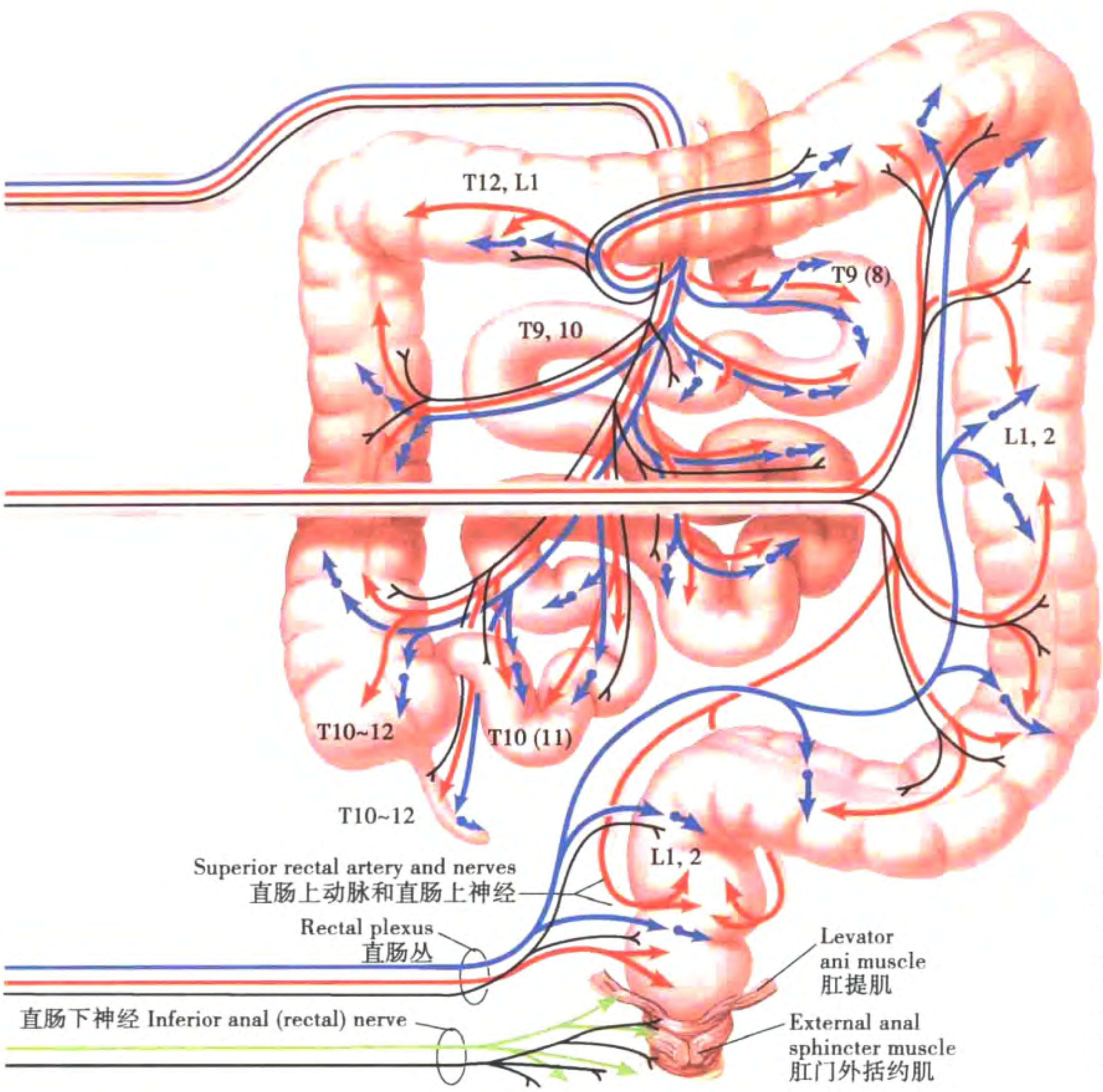


小肠和大肠的自主神经支配：示意图

参见图 163，164



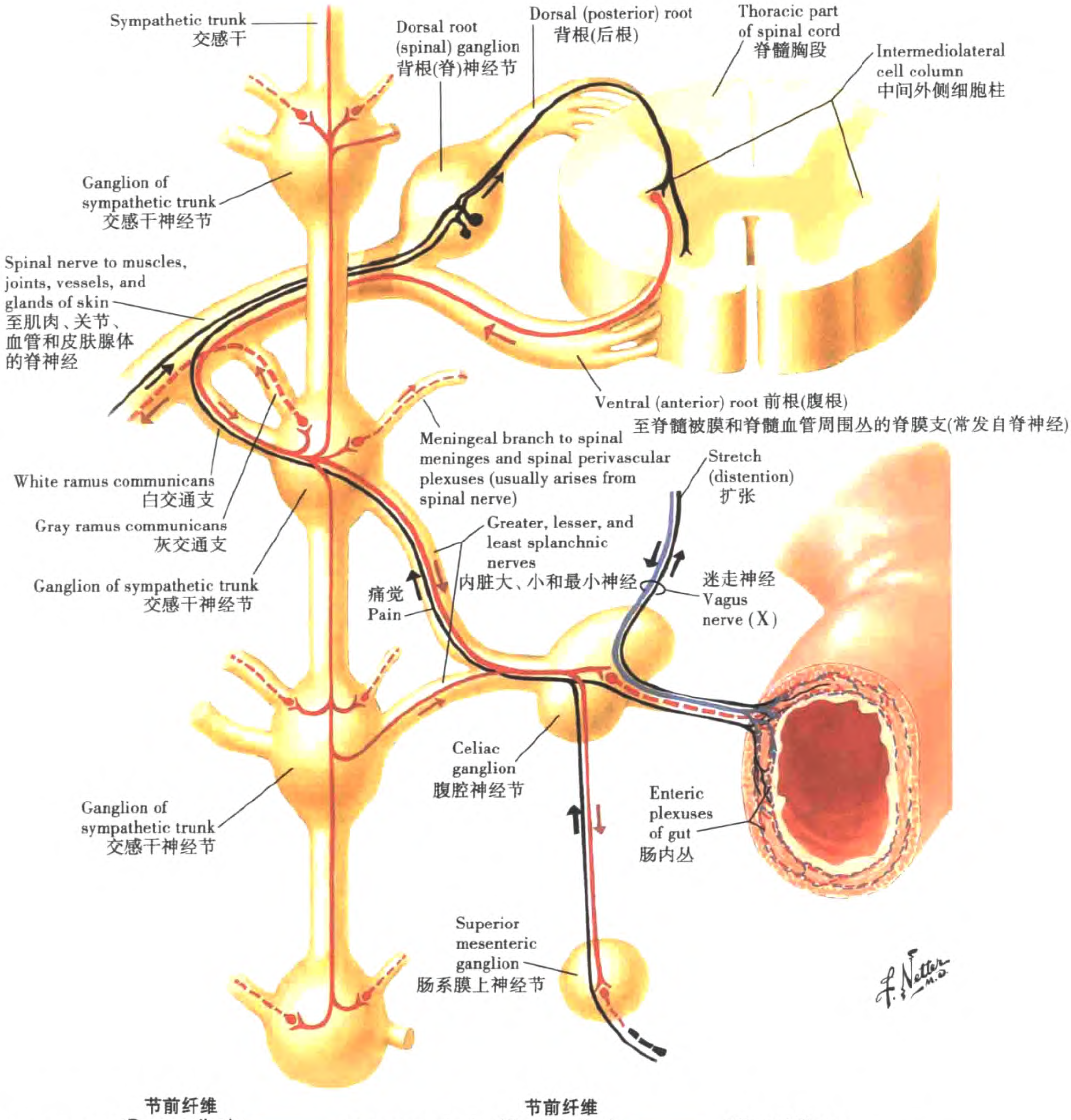
交感传出纤维 Sympathetic efferents
副交感传出纤维 Parasympathetic efferents
躯体传出纤维 Somatic efferents
传入纤维及与中枢神经系统的联系 Afferents and CNS connections
未确定的路径 Indefinite paths



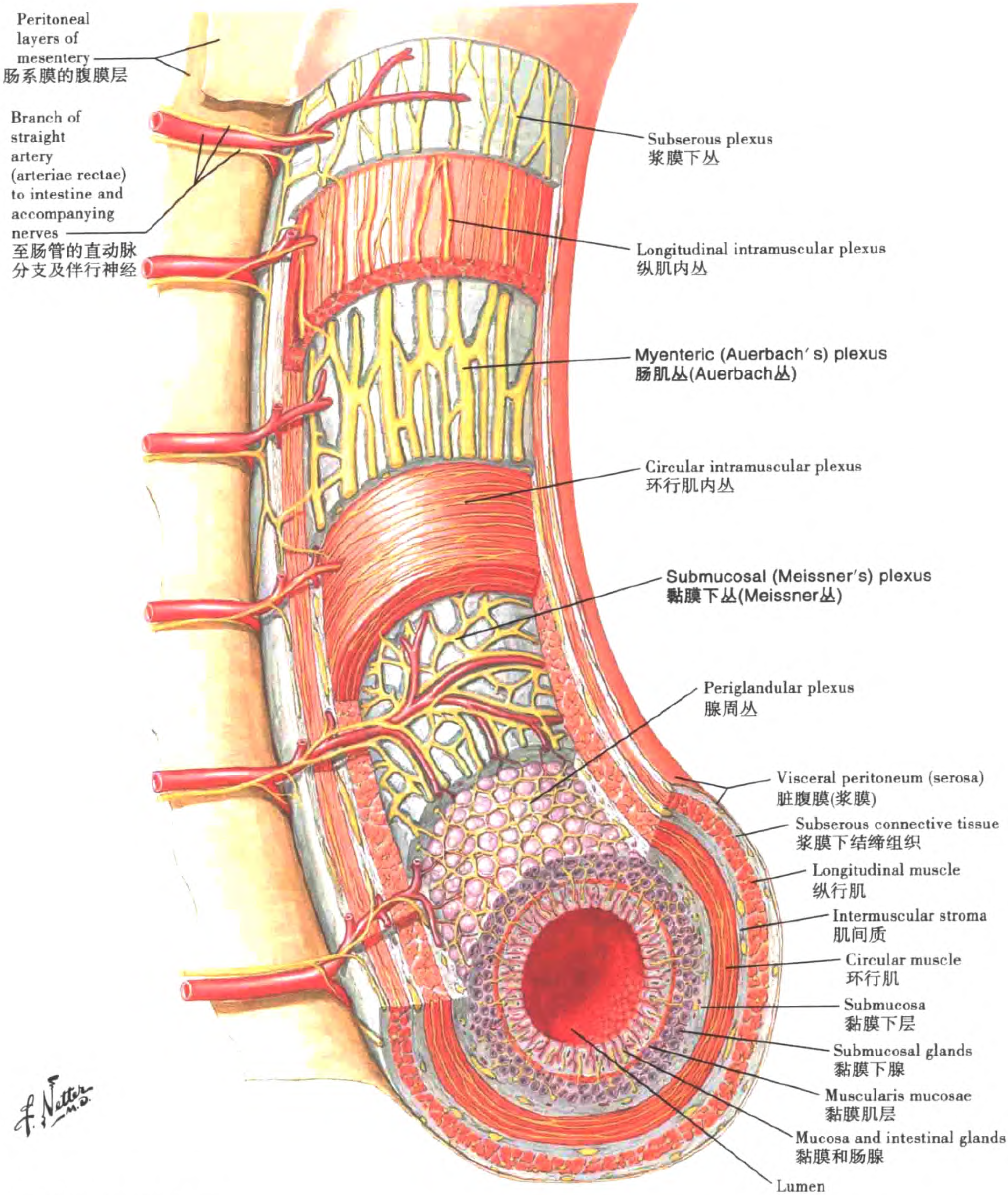
图中所示为来自主要脊髓节段的交感神经纤维支配不同区域肠管的情况，大多数的传入纤维伴随同行的交感神经节前纤维走向中枢。

Chief segmental sources of sympathetic fibers innervating different regions of intestinal tract are indicated. Numerous afferent fibers are carried centripetally through approximately the same sympathetic splanchnic nerves that transmit preganglionic fibers.

自主神经反射通路：示意图

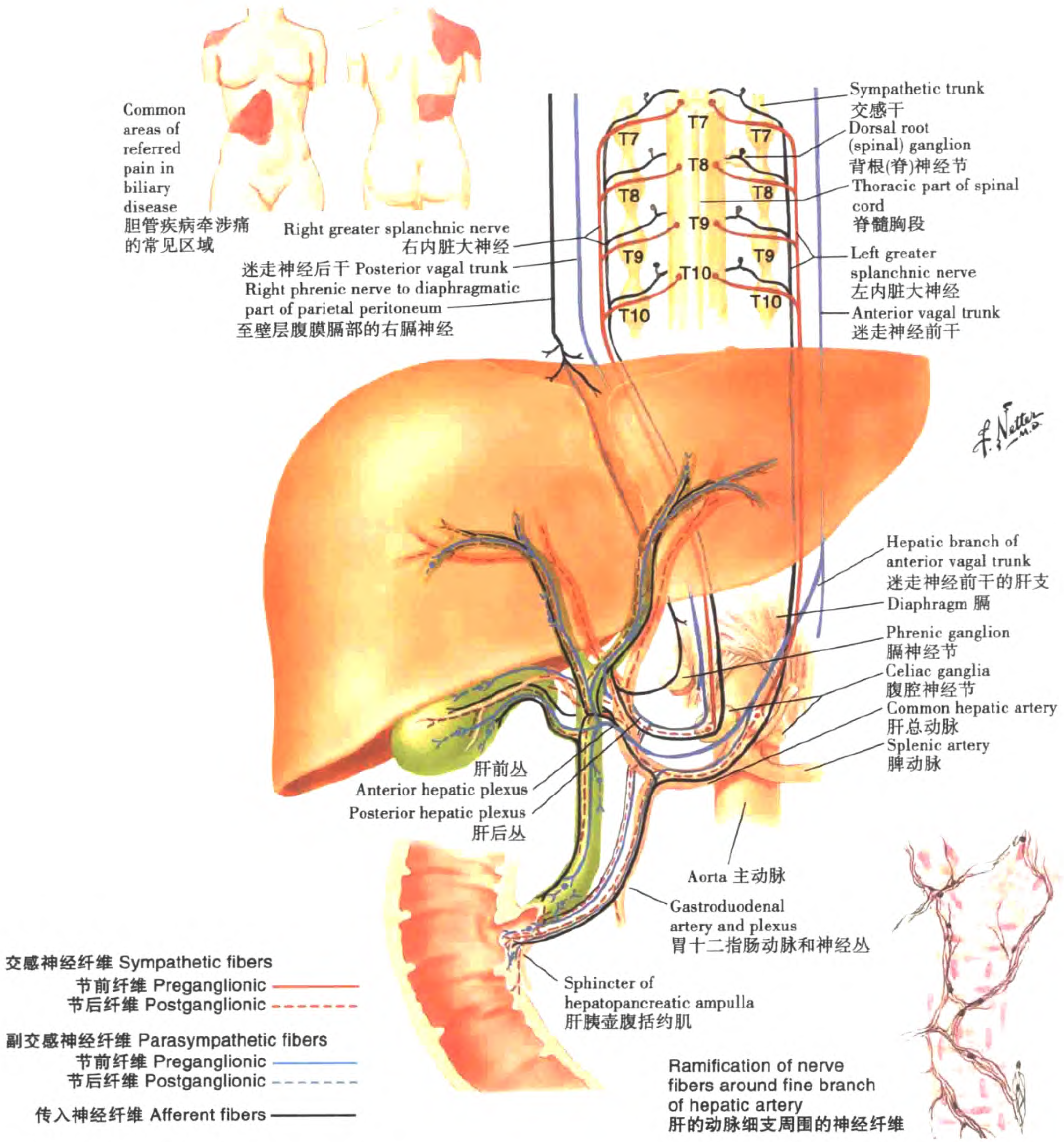


Sympathetic fibers 交感神经纤维	Preganglionic 节前纤维	红色实线
	Postganglionic 节后纤维	红色虚线
Parasympathetic fibers 副交感神经纤维	Preganglionic 节前纤维	蓝色实线
	Postganglionic 节后纤维	蓝色虚线
Afferent fibers 传入神经		黑色实线



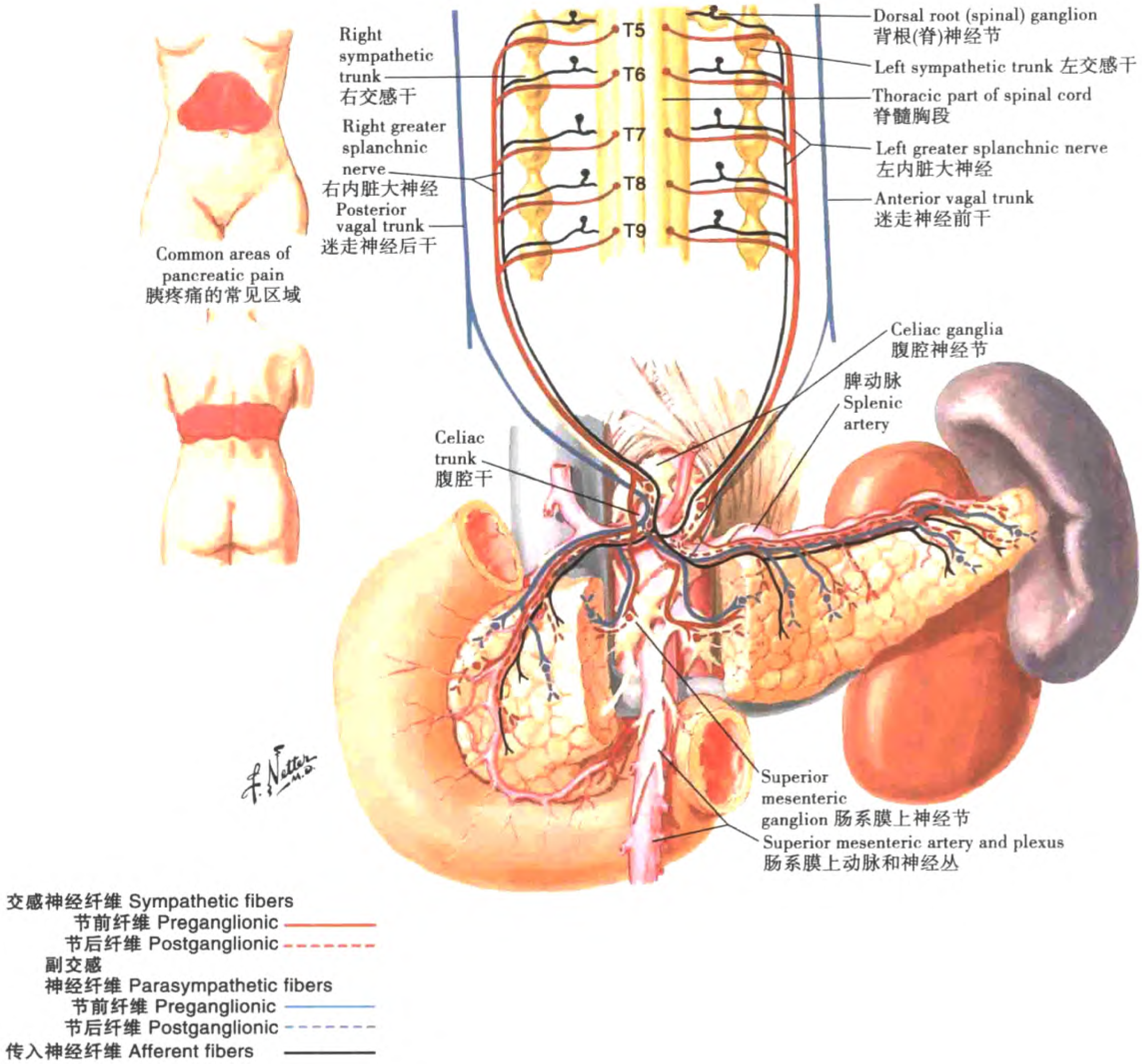
Note: Intestinal wall is shown much thicker than in actuality.
注：图中显示的肠壁比实际的厚

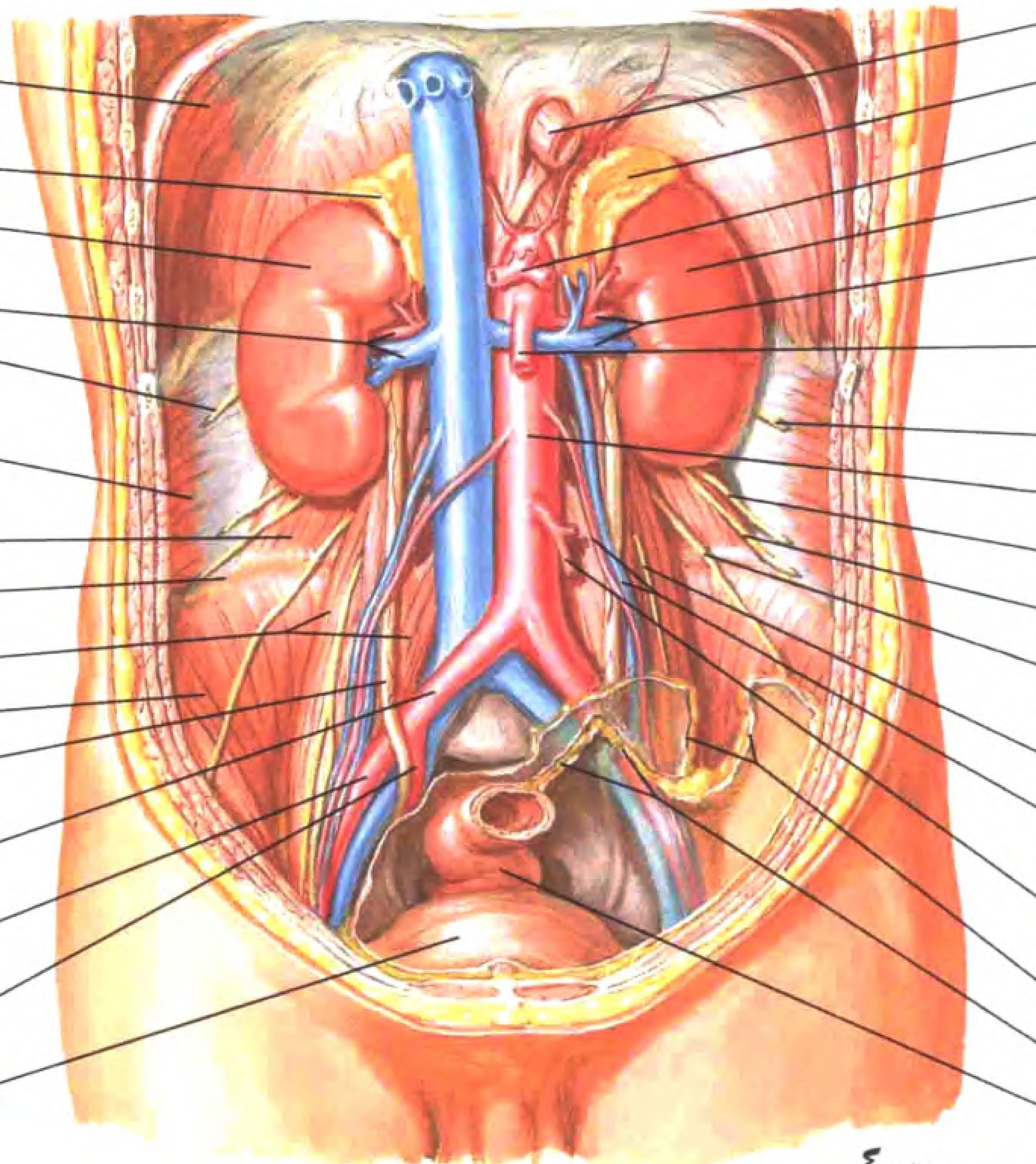
参见图 163，164

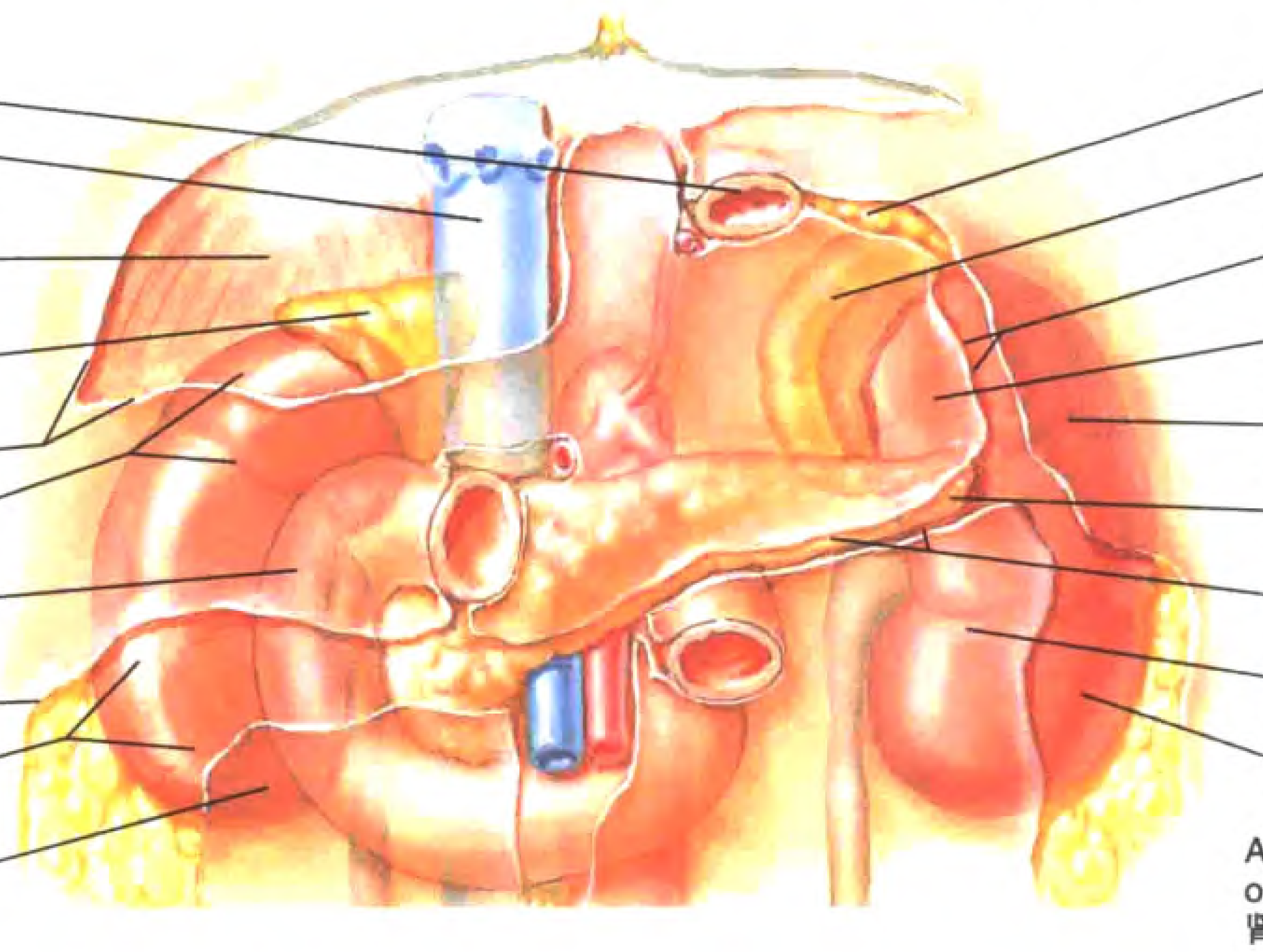

Common areas of referred pain in biliary disease
胆管疾病牵涉痛的常见区域
Right greater splanchnic nerve
右内脏大神经
迷走神经后干 Posterior vagal trunk
Right phrenic nerve to diaphragmatic part of parietal peritoneum
至壁层腹膜膈部的右膈神经
T7
T8
T9
T10
Sympathetic trunk
交感干
Dorsal root (spinal) ganglion
背根(脊)神经节
Thoracic part of spinal cord
脊髓胸段
Left greater splanchnic nerve
左内脏大神经
Anterior vagal trunk
迷走神经前干
Hepatic branch of anterior vagal trunk
迷走神经前干的肝支
Diaphragm 膈
Phrenic ganglion
膈神经节
Celiac ganglia
腹腔神经节
Common hepatic artery
肝总动脉
Splenic artery
脾动脉
肝前丛
Anterior hepatic plexus
Posterior hepatic plexus
肝后丛
Aorta 主动脉
Gastroduodenal artery and plexus
胃十二指肠动脉和神经丛
Sphincter of hepatopancreatic ampulla
肝胰壶腹括约肌
交感神经纤维 Sympathetic fibers
节前纤维 Preganglionic
节后纤维 Postganglionic
副交感神经纤维 Parasympathetic fibers
节前纤维 Preganglionic
节后纤维 Postganglionic
传入神经纤维 Afferent fibers
Ramification of nerve fibers around fine branch of hepatic artery
肝的动脉细支周围的神经纤维

胰的自主神经分布:示意图

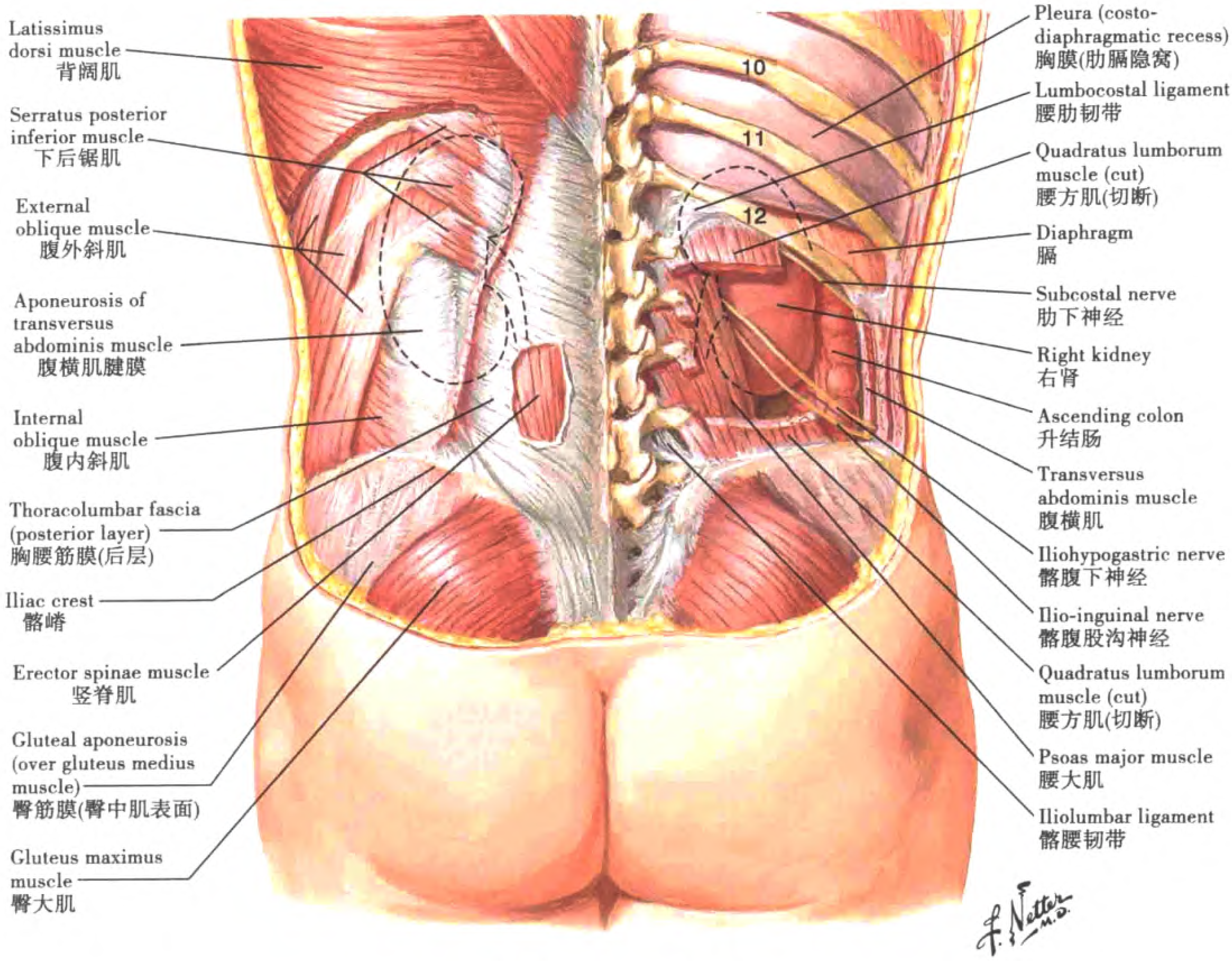
参见图 163,164

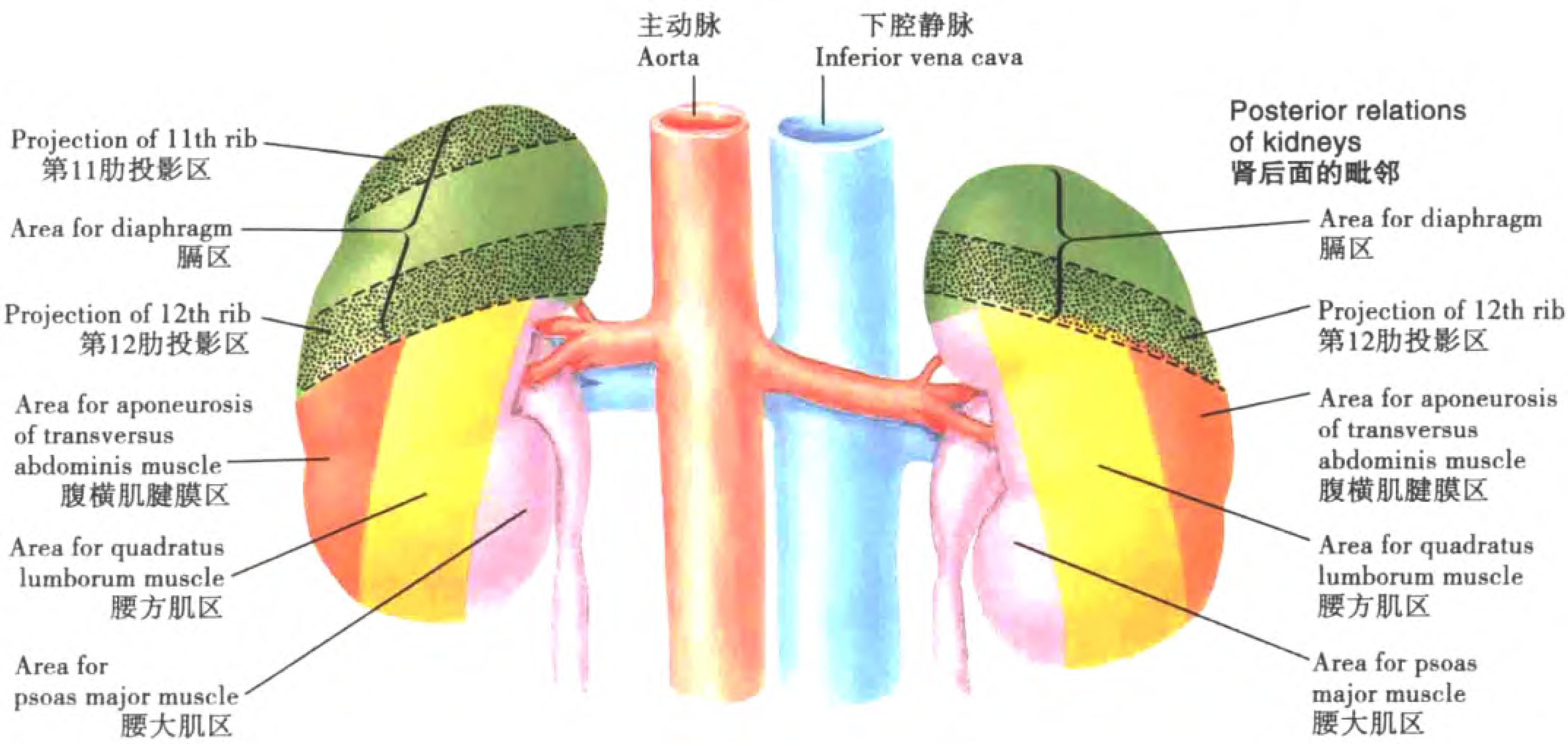


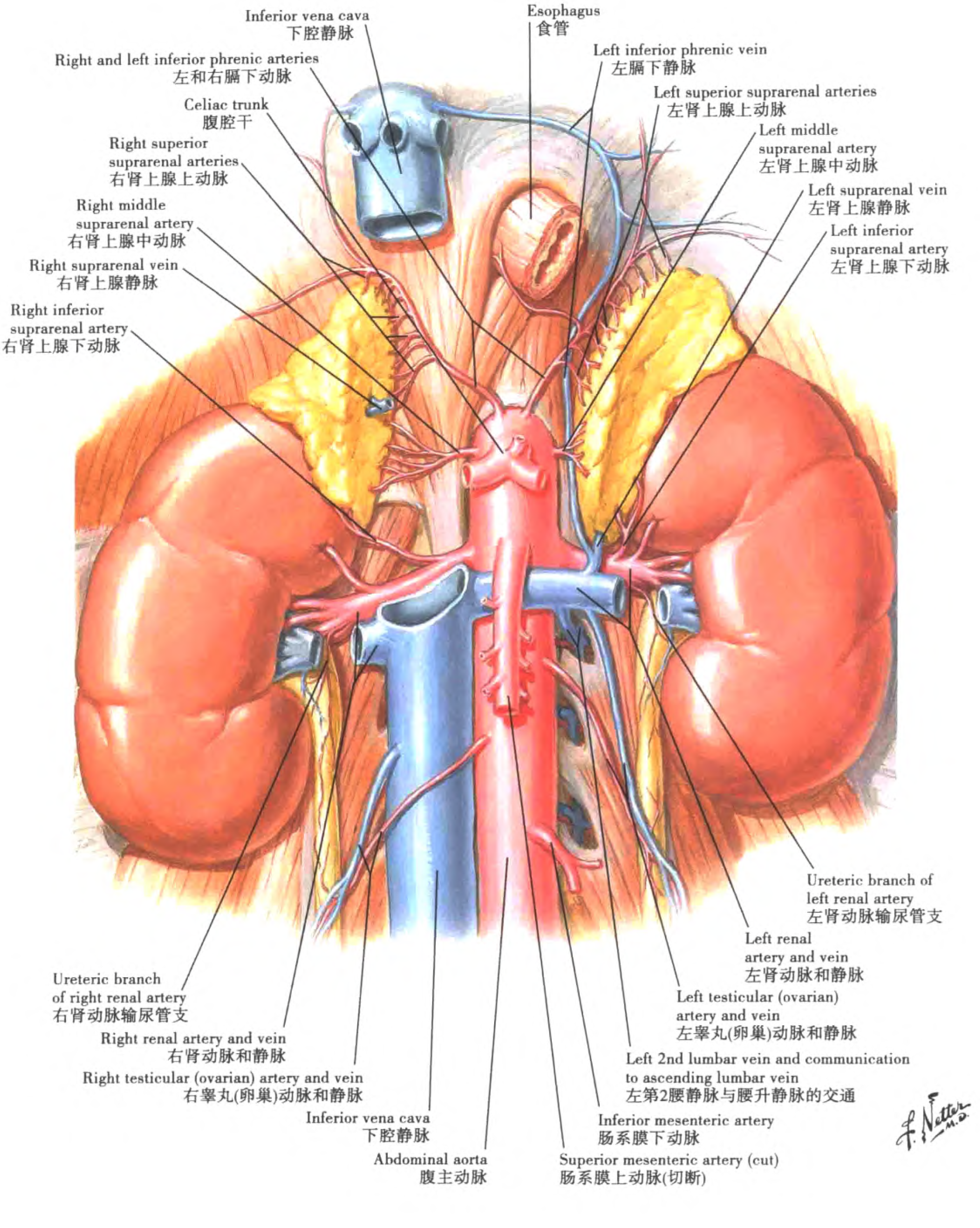


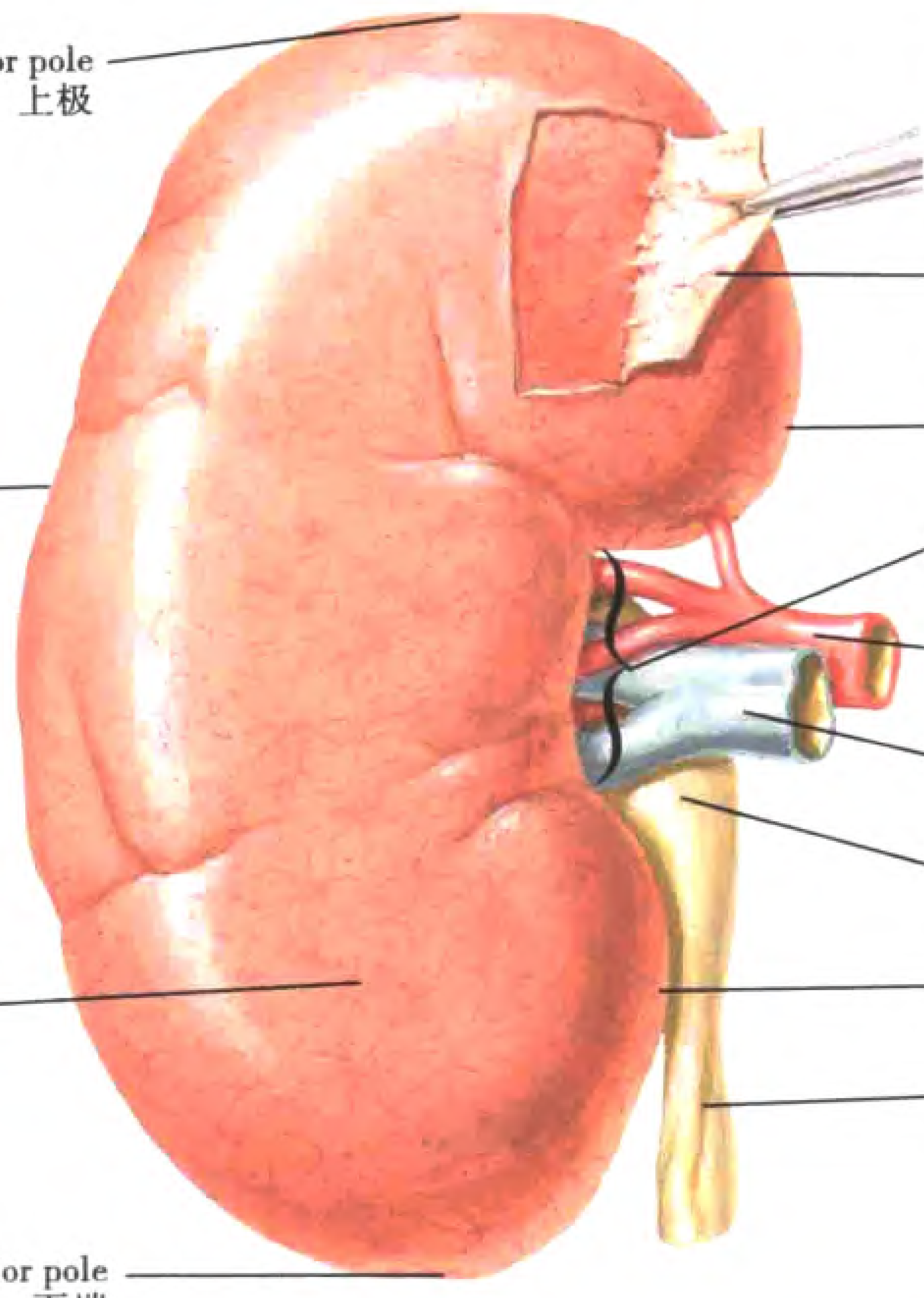


Anterior relations of kidneys
肾前面的毗邻


Latissimus dorsi muscle
背阔肌
Serratus posterior inferior muscle
下后锯肌
External oblique muscle
腹外斜肌
Aponeurosis of transversus abdominis muscle
腹横肌腱膜
Internal oblique muscle
腹内斜肌
Thoracolumbar fascia (posterior layer)
胸腰筋膜(后层)
Iliac crest
髂嵴
Erector spinae muscle
竖脊肌
Gluteal aponeurosis (over gluteus medius muscle)
臀筋膜(臀中肌表面)
Gluteus maximus muscle
臀大肌
10
11
12
Pleura (costo-diaphragmatic recess)
胸膜(肋膈隐窝)
Lumbocostal ligament
腰肋韧带
Quadratus lumborum muscle (cut)
腰方肌(切断)
Diaphragm
膈
Subcostal nerve
肋下神经
Right kidney
右肾
Ascending colon
升结肠
Transversus abdominis muscle
腹横肌
Iliohypogastric nerve
髂腹下神经
Ilio-inguinal nerve
髂腹股沟神经
Quadratus lumborum muscle (cut)
腰方肌(切断)
Psoas major muscle
腰大肌
Iliolumbar ligament
髂腰韧带


主动脉
Aorta
下腔静脉
Inferior vena cava
Posterior relations of kidneys
肾后面的毗邻
Projection of 11th rib
第11肋投影区
Area for diaphragm
膈区
Projection of 12th rib
第12肋投影区
Area for aponeurosis of transversus abdominis muscle
腹横肌腱膜区
Area for quadratus lumborum muscle
腰方肌区
Area for psoas major muscle
腰大肌区
Area for diaphragm
膈区
Projection of 12th rib
第12肋投影区
Area for aponeurosis of transversus abdominis muscle
腹横肌腱膜区
Area for quadratus lumborum muscle
腰方肌区
Area for psoas major muscle
腰大肌区

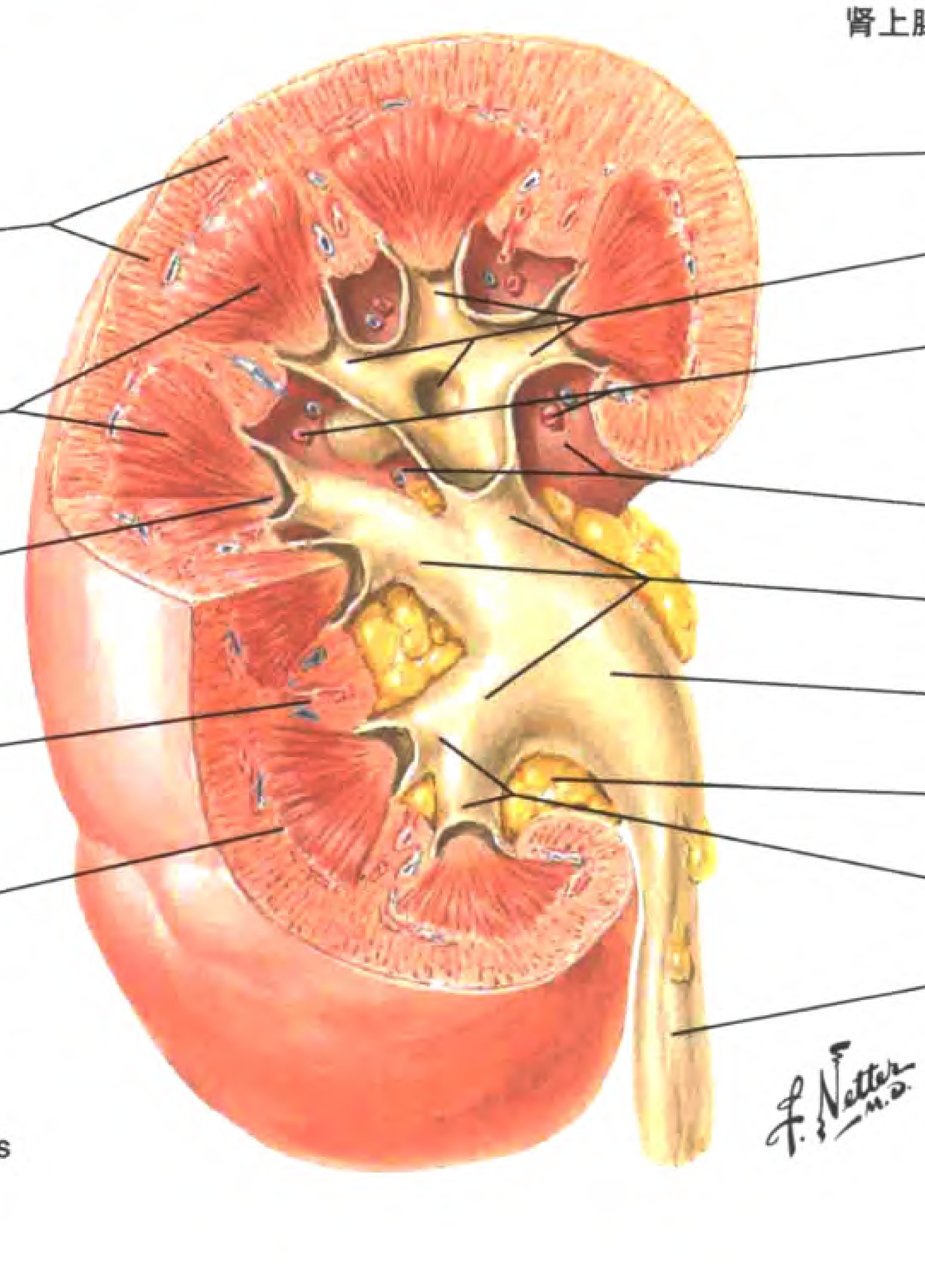

Inferior vena cava
下腔静脉
Esophagus
食管
Right and left inferior phrenic arteries
左和右膈下动脉
Left inferior phrenic vein
左膈下静脉
Celiac trunk
腹腔干
Left superior suprarenal arteries
左肾上腺上动脉
Right superior suprarenal arteries
右肾上腺上动脉
Left middle suprarenal artery
左肾上腺中动脉
Right middle suprarenal artery
右肾上腺中动脉
Left suprarenal vein
左肾上腺静脉
Right suprarenal vein
右肾上腺静脉
Left inferior suprarenal artery
左肾上腺下动脉
Right inferior suprarenal artery
右肾上腺下动脉
Ureteric branch of left renal artery
左肾动脉输尿管支
Left renal artery and vein
左肾动脉和静脉
Ureteric branch of right renal artery
右肾动脉输尿管支
Left testicular (ovarian) artery and vein
左睾丸(卵巢)动脉和静脉
Right renal artery and vein
右肾动脉和静脉
Left 2nd lumbar vein and communication to ascending lumbar vein
左第2腰静脉与腰升静脉的交通
Right testicular (ovarian) artery and vein
右睾丸(卵巢)动脉和静脉
Inferior vena cava
下腔静脉
Inferior mesenteric artery
肠系膜下动脉
Abdominal aorta
腹主动脉
Superior mesenteric artery (cut)
肠系膜上动脉(切断)



Anterior surface of right kidney
右肾前面观

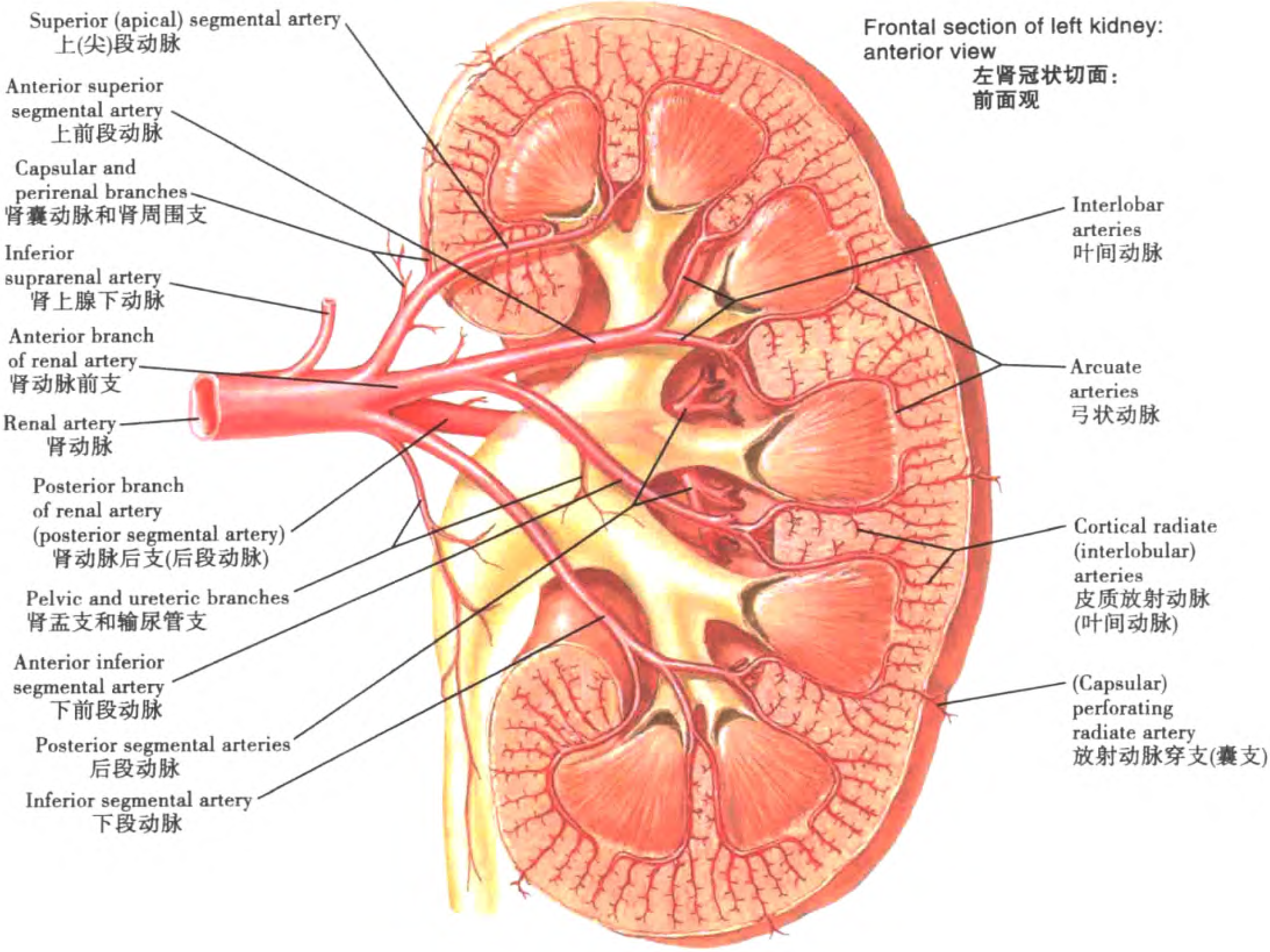


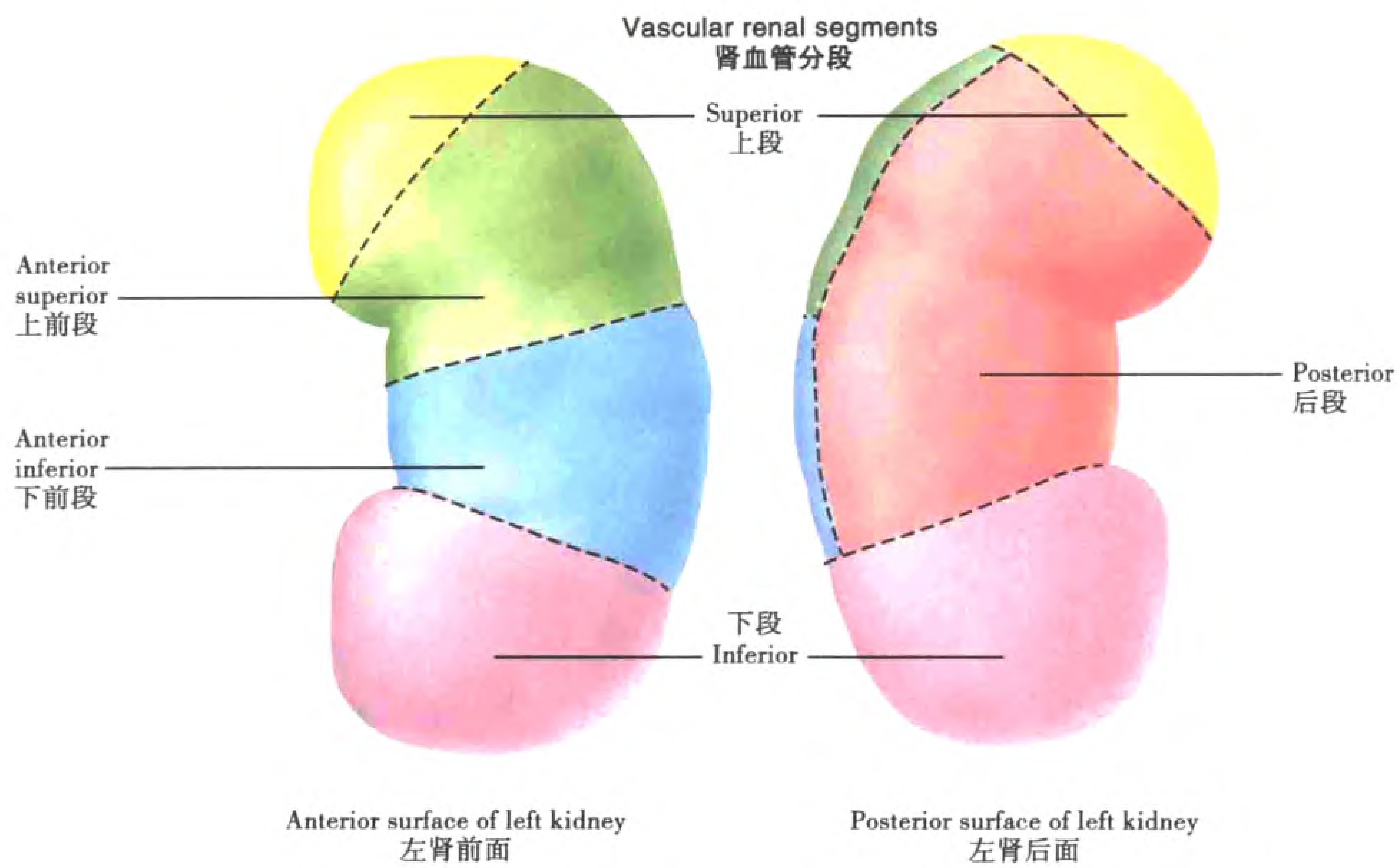
Suprarenal gland and lobulated kidney of infant
肾上腺和胚胎时期的分叶肾



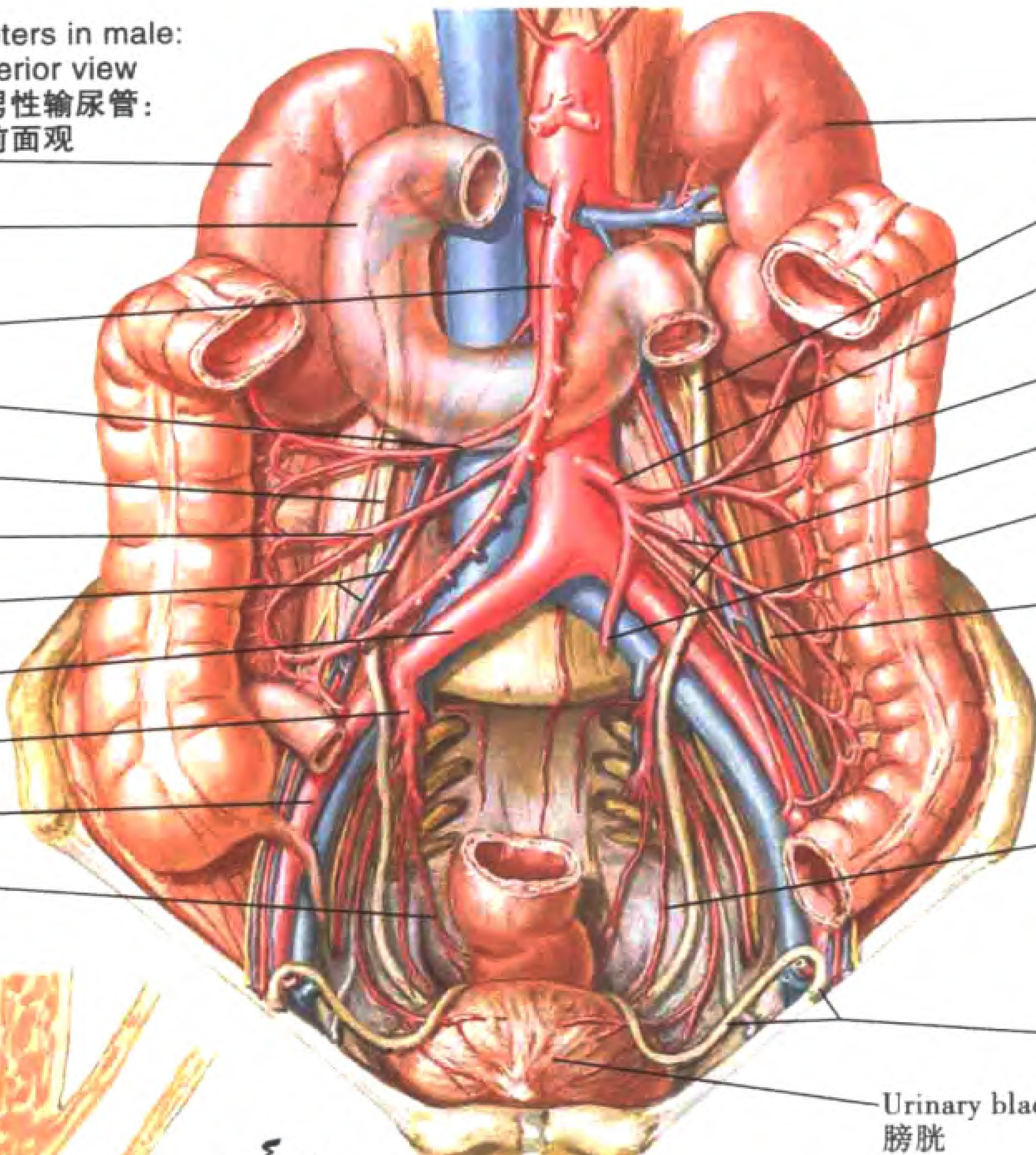
Right kidney sectioned in several planes, exposing parenchyma and renal pelvis
右肾的不同断面，暴露肾实质和肾盂

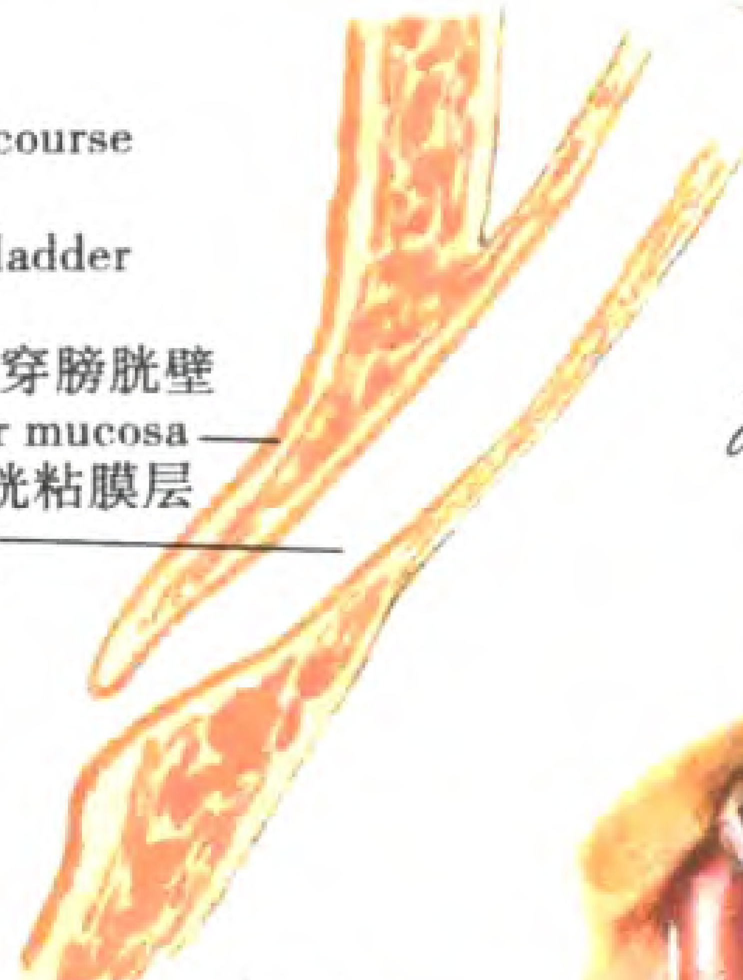
图 311 肾和肾上腺

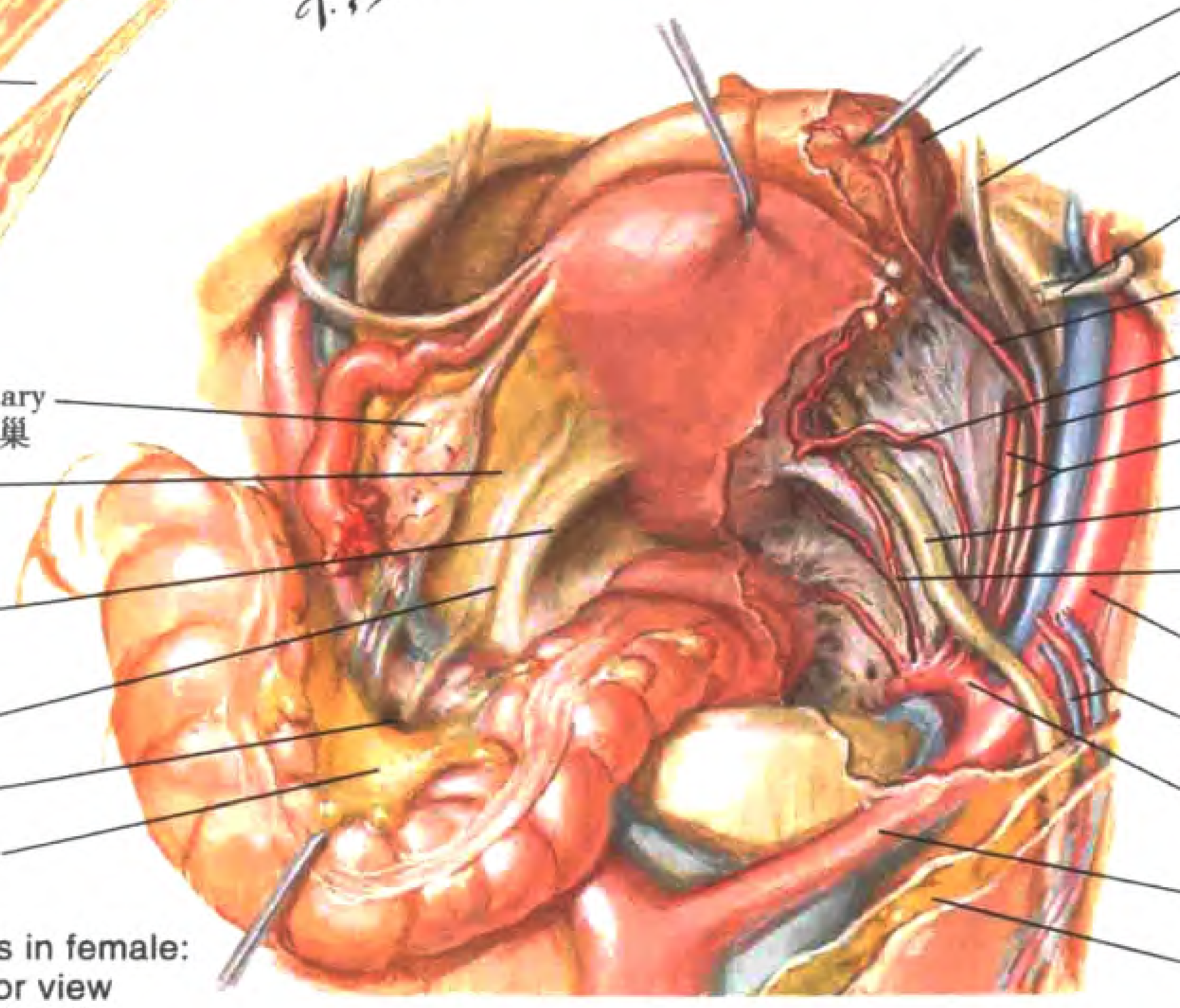

Frontal section of left kidney: anterior view
左肾冠状切面：
前面观
Superior (apical) segmental artery
上(尖)段动脉
Anterior superior segmental artery
上前段动脉
Capsular and perirenal branches
肾囊动脉和肾周围支
Inferior suprarenal artery
肾上腺下动脉
Anterior branch of renal artery
肾动脉前支
Renal artery
肾动脉
Posterior branch of renal artery (posterior segmental artery)
肾动脉后支(后段动脉)
Pelvic and ureteric branches
肾盂支和输尿管支
Anterior inferior segmental artery
下前段动脉
Posterior segmental arteries
后段动脉
Inferior segmental artery
下段动脉
Interlobar arteries
叶间动脉
Arcuate arteries
弓状动脉
Cortical radiate (interlobular) arteries
皮质放射动脉
(叶间动脉)
(Capsular) perforating radiate artery
放射动脉穿支(囊支)

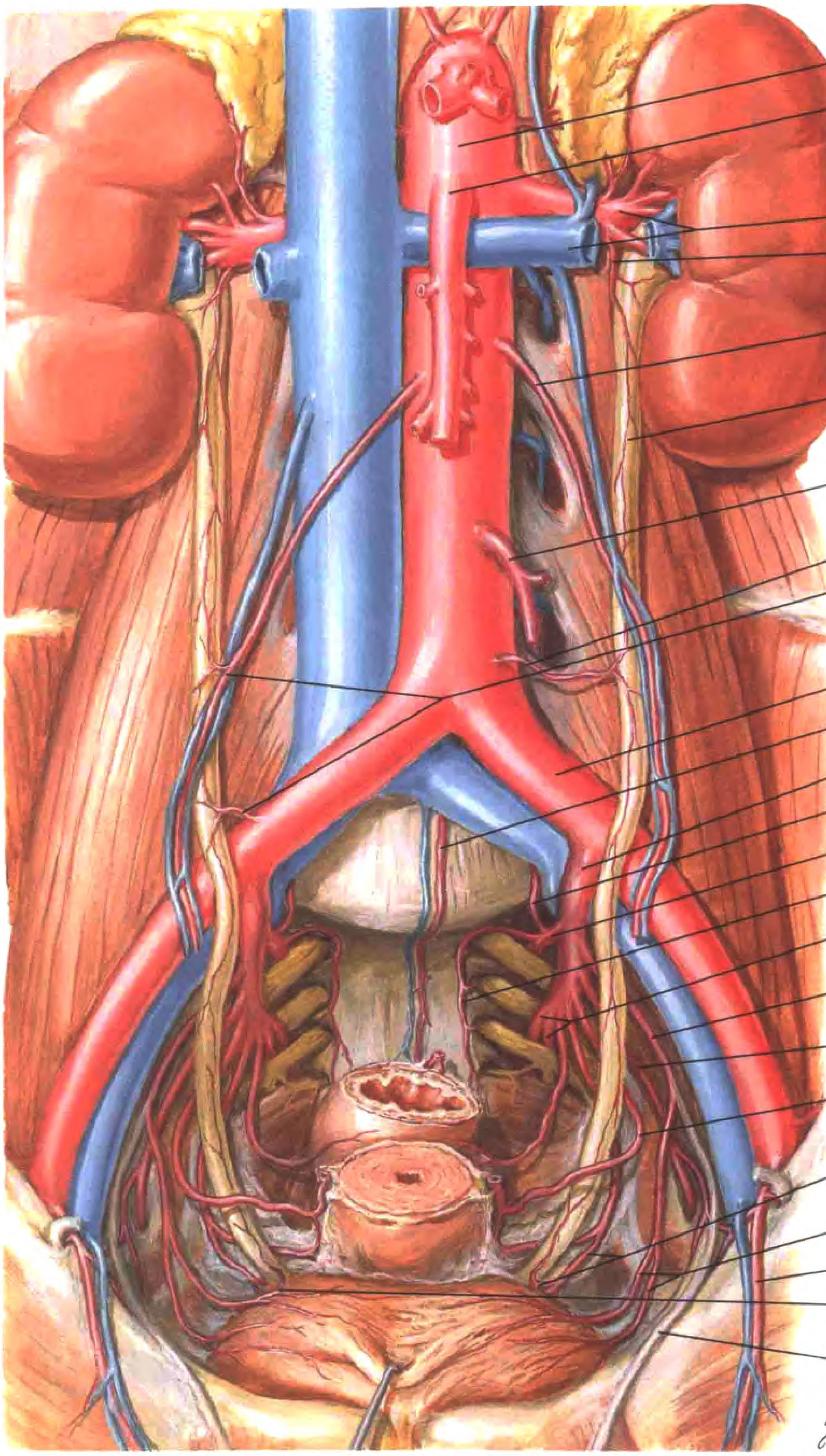

Vascular renal segments
肾血管分段
Superior
上段
Anterior superior
上前段
Anterior inferior
下前段
下段
Inferior
Posterior
后段
Anterior surface of left kidney
左肾前面
Posterior surface of left kidney
左肾后面

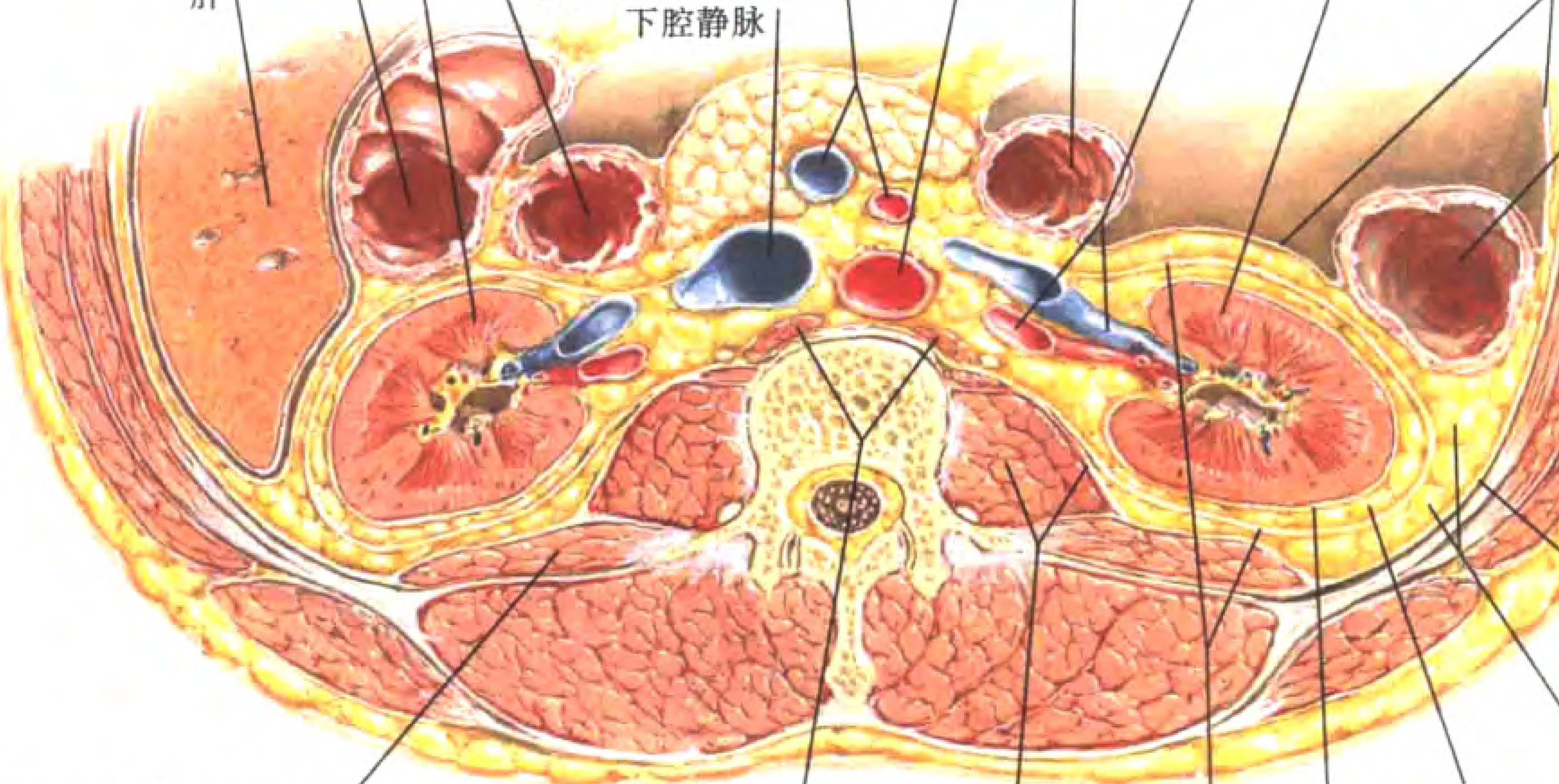
参见图 341,342,345



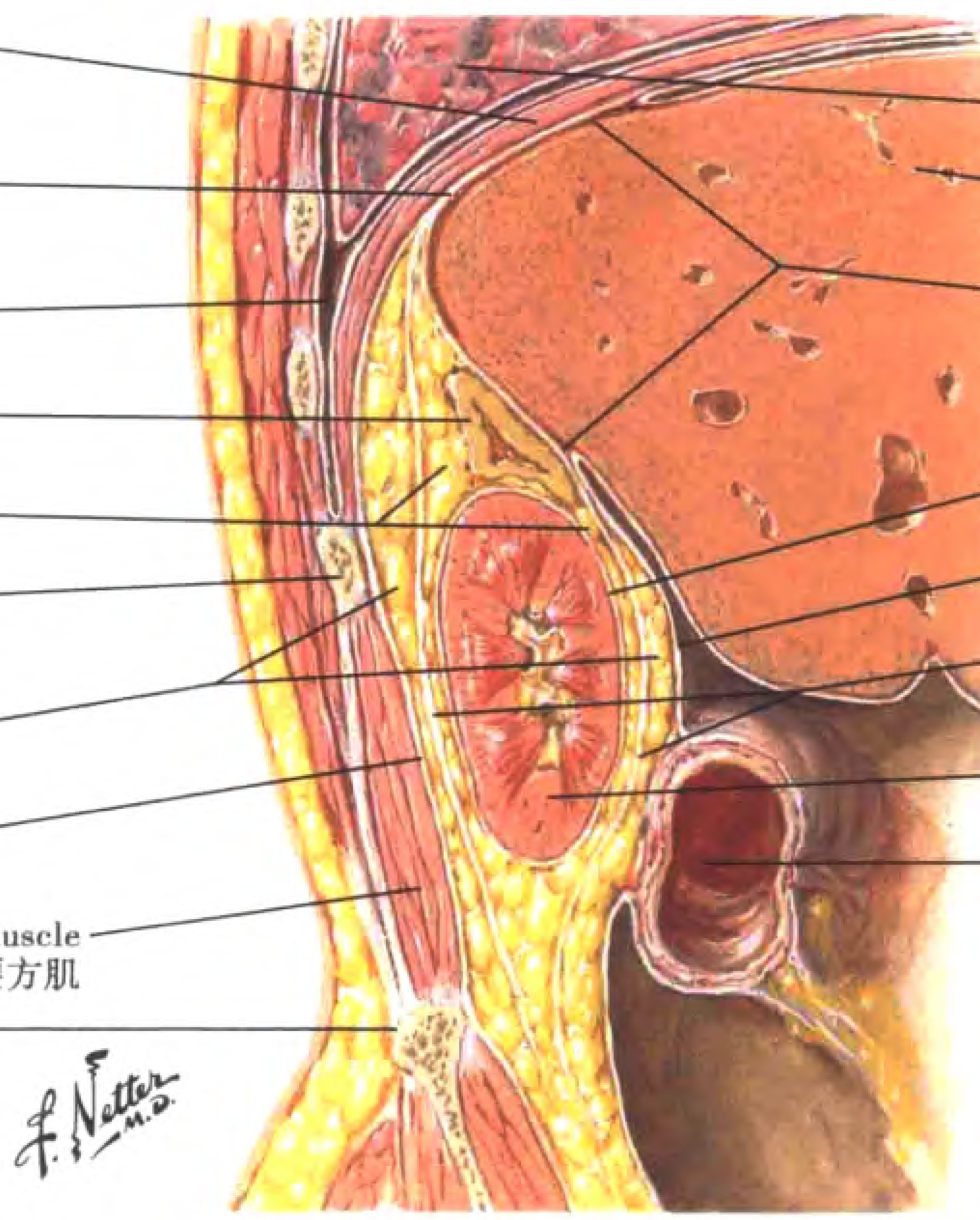





Abdominal aorta
腹主动脉
Superior mesenteric artery
肠系膜上动脉
Renal artery and vein
肾动脉和静脉
Ureteric branch from renal artery
肾动脉输尿管支
Ovarian artery
卵巢动脉
Ureter
输尿管
Inferior mesenteric artery (cut)
肠系膜下动脉(切断)
Ureteric branch from aorta
腹主动脉输尿管支
Ureteric branches from ovarian and common iliac arteries
卵巢动脉和髂总动脉输尿管支
Common iliac artery
髂总动脉
Median sacral artery
骶正中动脉
Internal iliac artery 髂内动脉
Iliolumbar artery 髂腰动脉
Superior gluteal artery 臀上动脉
Lateral sacral artery 骶外侧动脉
Inferior gluteal and internal pudendal arteries
臀下动脉和阴部内动脉
Umbilical artery (patent part)
脐动脉(未闭部)
Obturator artery
闭孔动脉
Uterine artery
子宫动脉
Inferior vesical artery and ureteric branch
膀胱下动脉和输尿管支
Superior vesical arteries
膀胱上动脉
Inferior epigastric artery
腹壁下动脉
Ureteric branch from superior vesical artery
膀胱上动脉输尿管支
Medial umbilical ligament
脐内侧韧带
F. Netter M.D.

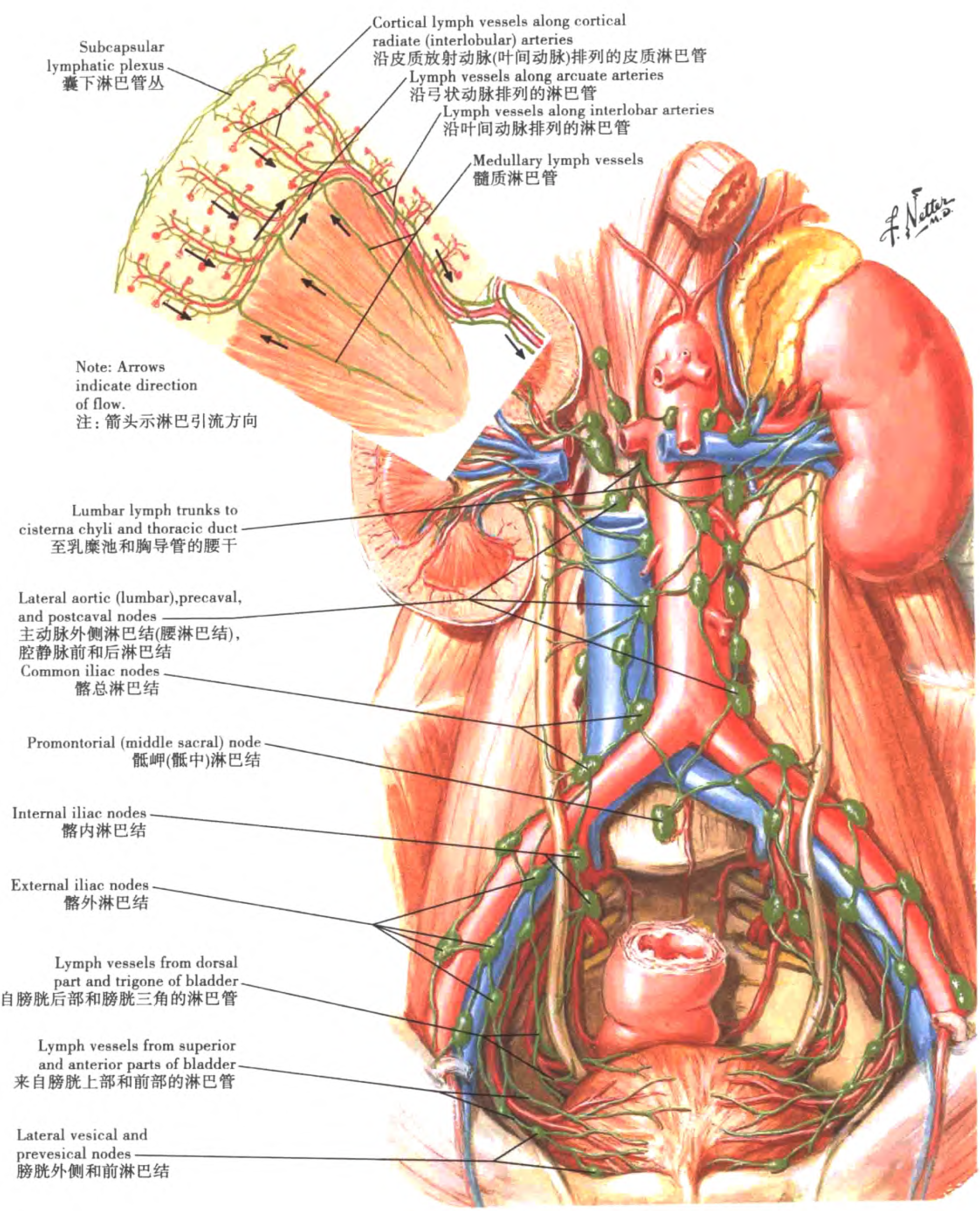


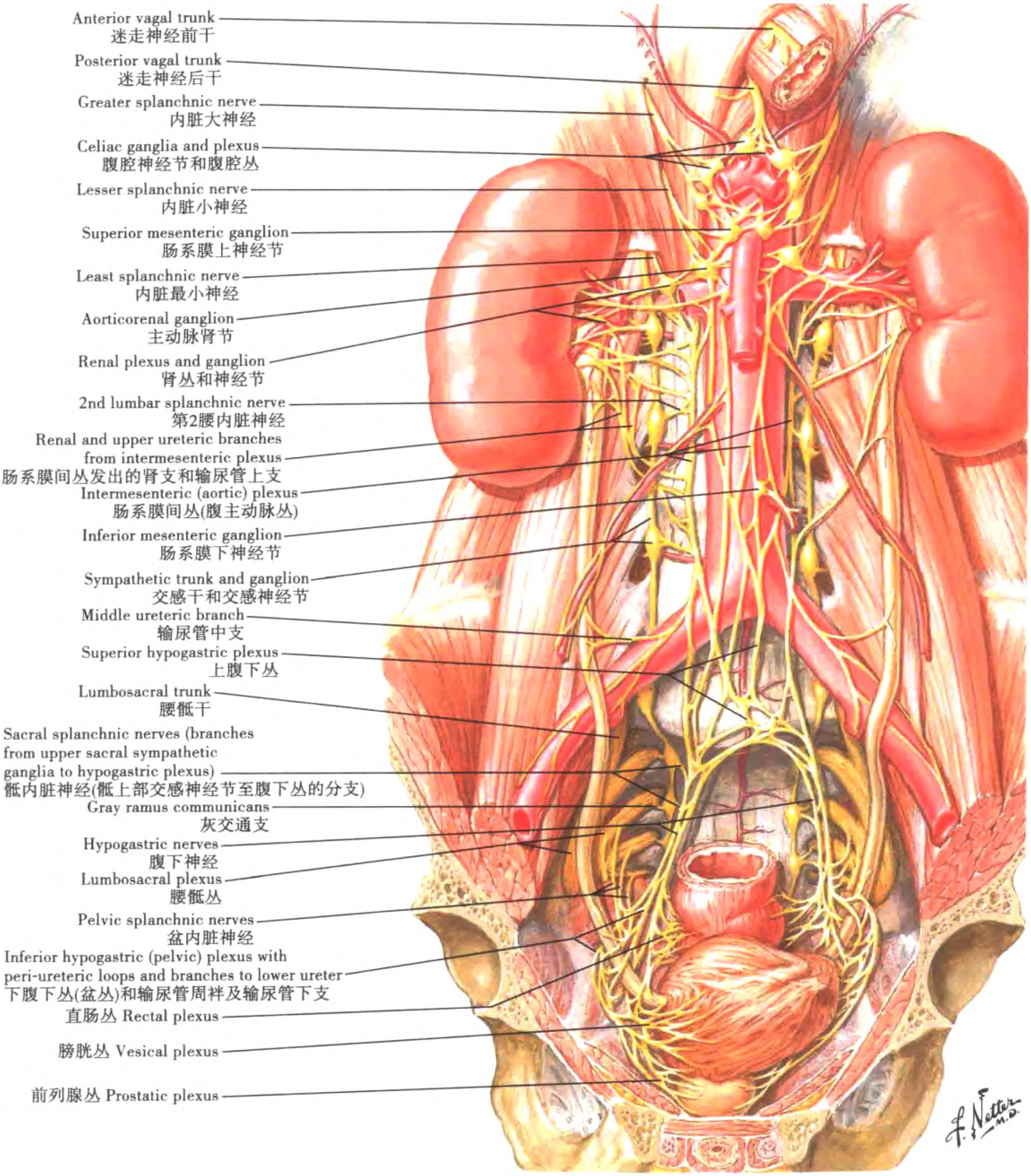
Transverse section through 2nd lumbar vertebra demonstrates horizontal disposition of renal fascia
第2腰椎横断面显示水平位肾筋膜



Sagittal section through right kidney and lumbar region demonstrates vertical disposition of renal fascia
右肾和右腰区的矢状断面显示垂直位肾筋膜

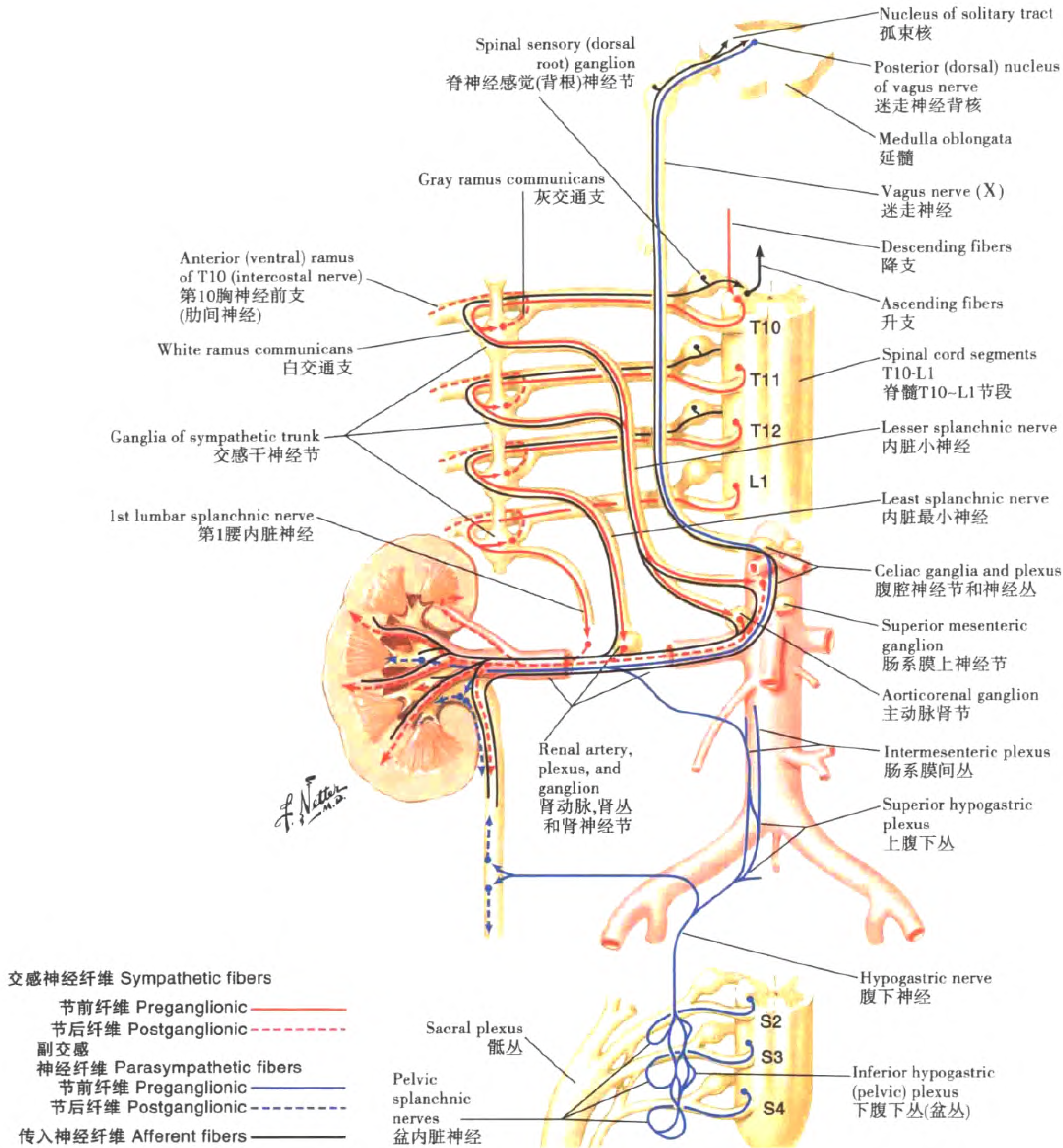
参见图 384，386

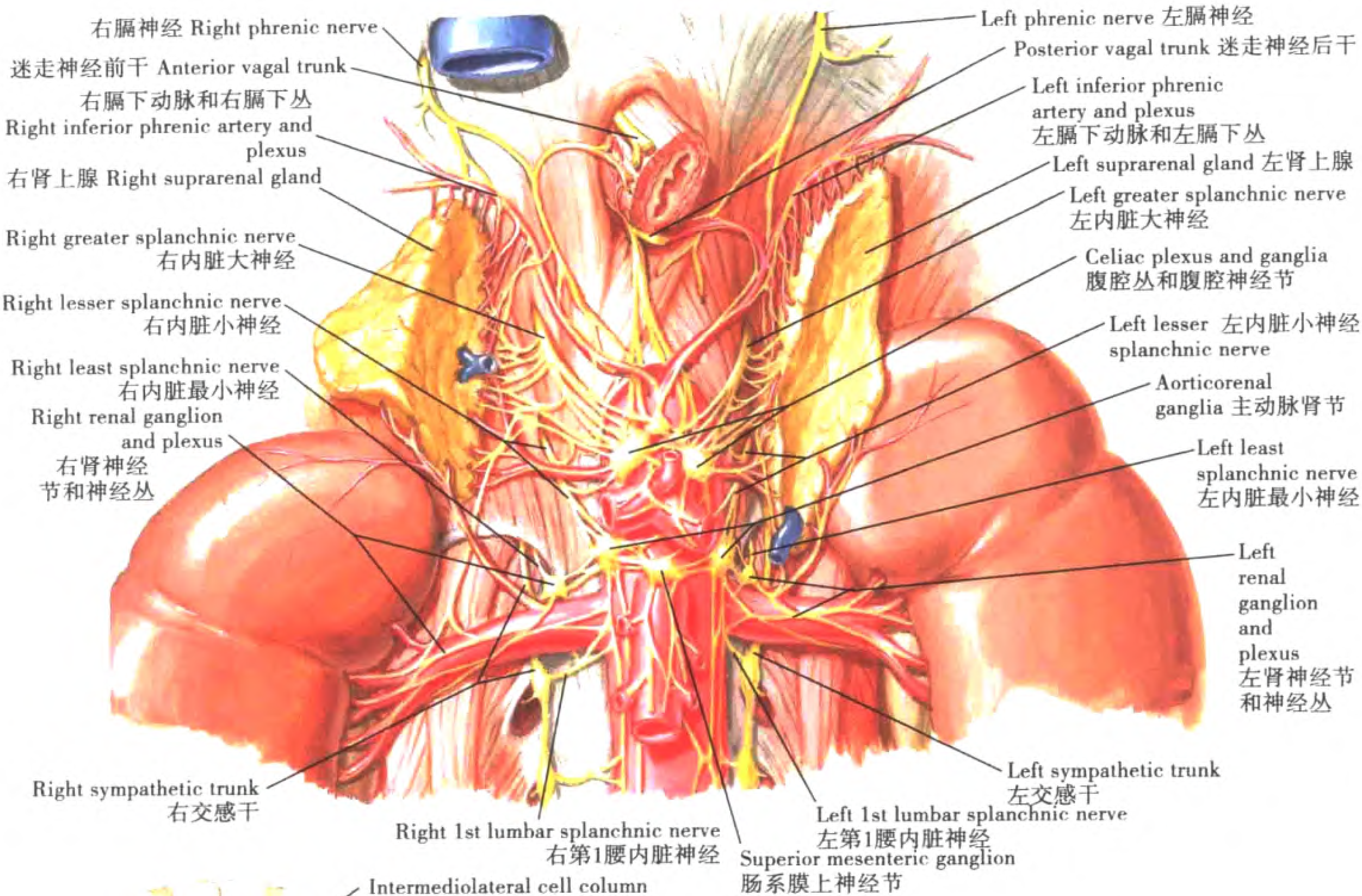

Subcapsular lymphatic plexus
囊下淋巴管丛
Cortical lymph vessels along cortical radiate (interlobular) arteries
沿皮质放射动脉(叶间动脉)排列的皮质淋巴管
Lymph vessels along arcuate arteries
沿弓状动脉排列的淋巴管
Lymph vessels along interlobar arteries
沿叶间动脉排列的淋巴管
Medullary lymph vessels
髓质淋巴管
Note: Arrows indicate direction of flow.
注：箭头示淋巴引流方向
Lumbar lymph trunks to cisterna chyli and thoracic duct
至乳糜池和胸导管的腰干
Lateral aortic (lumbar), precaval, and postcaval nodes
主动脉外侧淋巴结(腰淋巴结)，腔静脉前和后淋巴结
Common iliac nodes
髂总淋巴结
Promontorial (middle sacral) node
骶岬(骶中)淋巴结
Internal iliac nodes
髂内淋巴结
External iliac nodes
髂外淋巴结
Lymph vessels from dorsal part and trigone of bladder
来自膀胱后部和膀胱三角的淋巴管
Lymph vessels from superior and anterior parts of bladder
来自膀胱上部和前部的淋巴管
Lateral vesical and prevesical nodes
膀胱外侧和前淋巴结

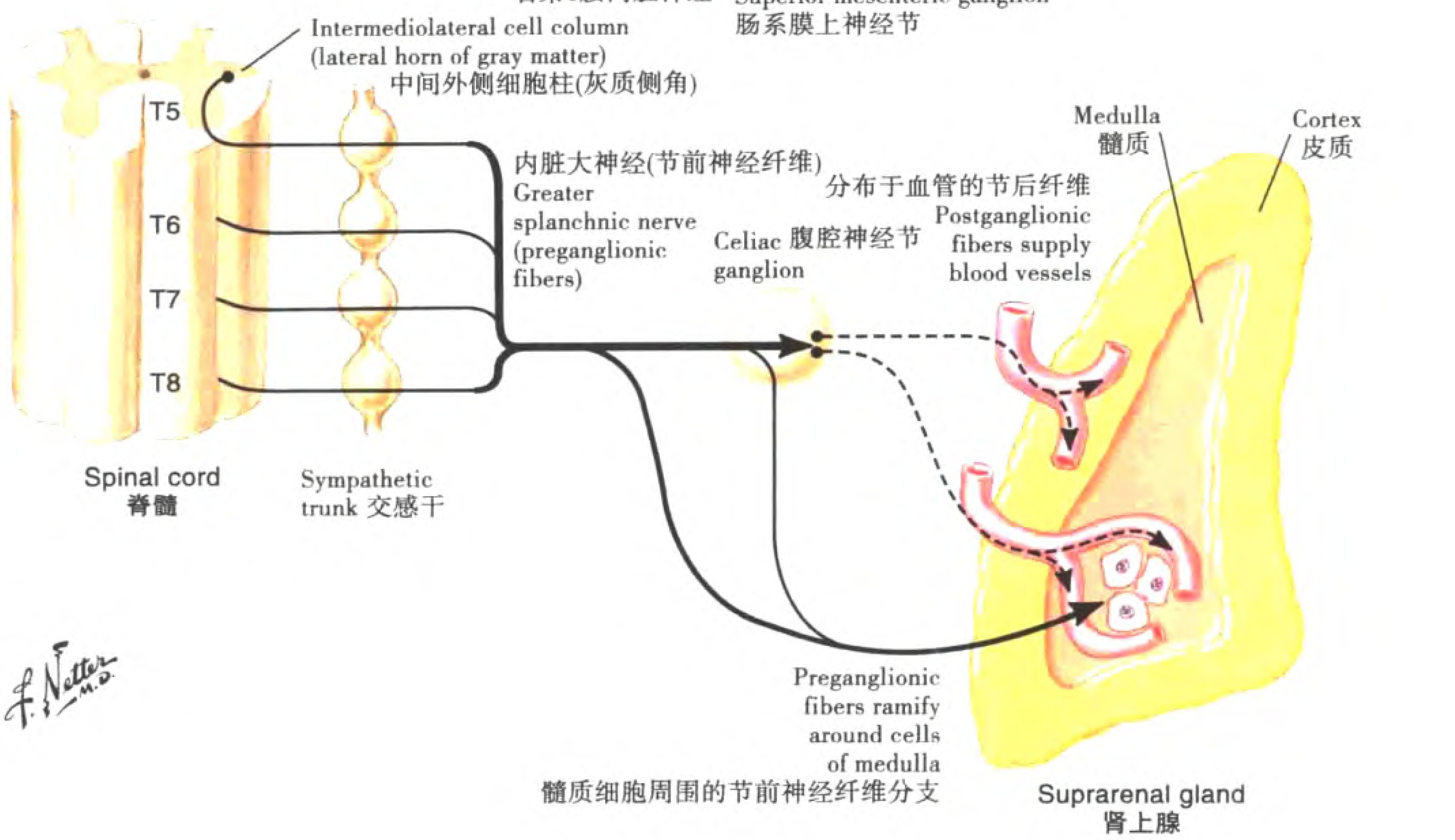

Anterior vagal trunk
迷走神经前干
Posterior vagal trunk
迷走神经后干
Greater splanchnic nerve
内脏大神经
Celiac ganglia and plexus
腹腔神经节和腹腔丛
Lesser splanchnic nerve
内脏小神经
Superior mesenteric ganglion
肠系膜上神经节
Least splanchnic nerve
内脏最小神经
Aorticorenal ganglion
主动脉肾节
Renal plexus and ganglion
肾丛和神经节
2nd lumbar splanchnic nerve
第2腰内脏神经
Renal and upper ureteric branches from intermesenteric plexus
肠系膜间丛发出的肾支和输尿管上支
Intermesenteric (aortic) plexus
肠系膜间丛(腹主动脉丛)
Inferior mesenteric ganglion
肠系膜下神经节
Sympathetic trunk and ganglion
交感干和交感神经节
Middle ureteric branch
输尿管中支
Superior hypogastric plexus
上腹下丛
Lumbosacral trunk
腰骶干
Sacral splanchnic nerves (branches from upper sacral sympathetic ganglia to hypogastric plexus)
骶内脏神经(骶上部交感神经节至腹下丛的分支)
Gray ramus communicans
灰交通支
Hypogastric nerves
腹下神经
Lumbosacral plexus
腰骶丛
Pelvic splanchnic nerves
盆内脏神经
Inferior hypogastric (pelvic) plexus with peri-ureteric loops and branches to lower ureter
下腹下丛(盆丛)和输尿管周袢及输尿管下支
直肠丛 Rectal plexus
膀胱丛 Vesical plexus
前列腺丛 Prostatic plexus
F. Netter M.D.

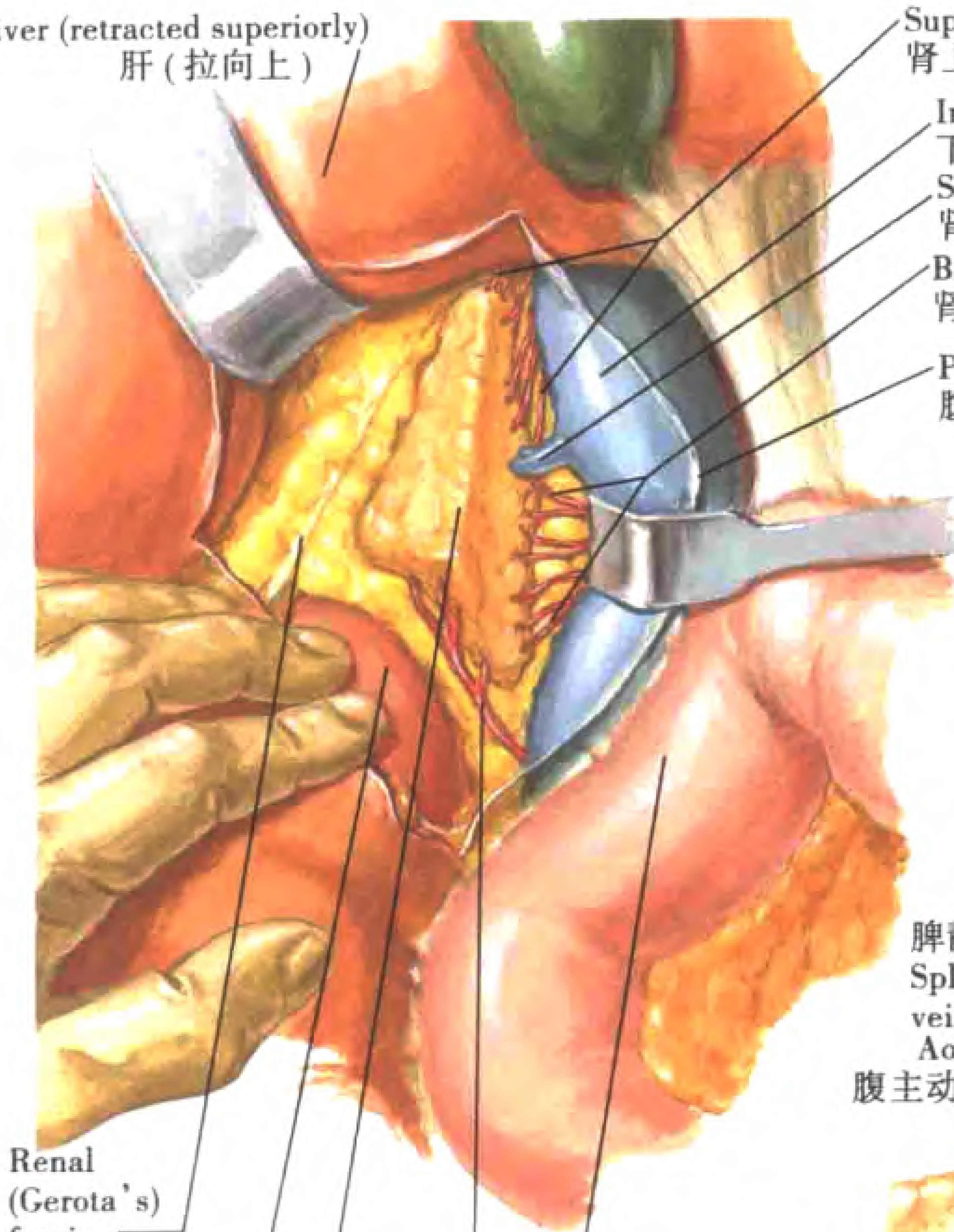
肾和输尿管上部的神经分布：示意图

参见图 163，164，395

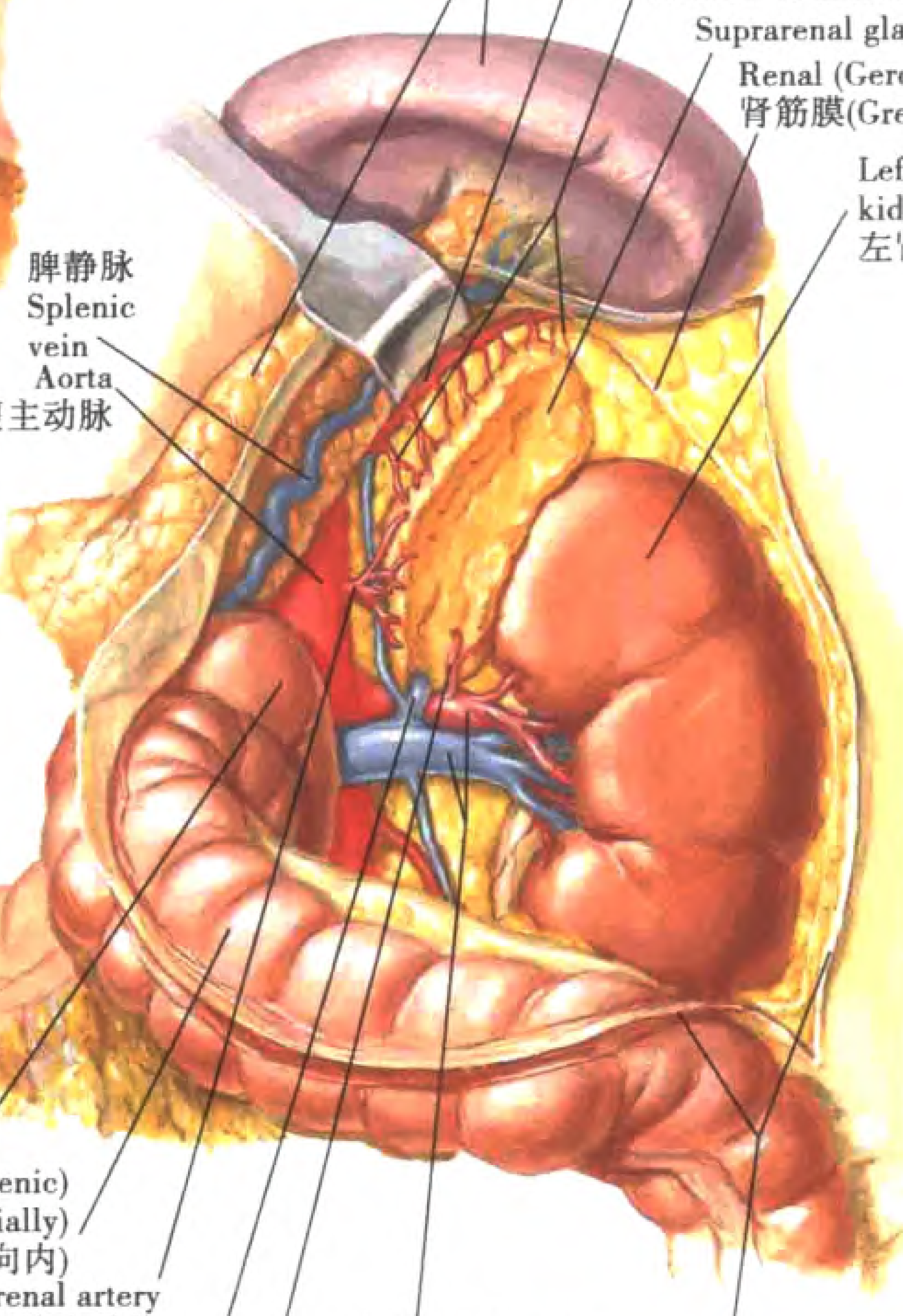



右膈神经 Right phrenic nerve
迷走神经前干 Anterior vagal trunk
右膈下动脉和右膈下丛 Right inferior phrenic artery and plexus
右肾上腺 Right suprarenal gland
Right greater splanchnic nerve 右内脏大神经
Right lesser splanchnic nerve 右内脏小神经
Right least splanchnic nerve 右内脏最小神经
Right renal ganglion and plexus 右肾神经节和神经丛
Right sympathetic trunk 右交感干
Right 1st lumbar splanchnic nerve 右第1腰内脏神经
Superior mesenteric ganglion 肠系膜上神经节
Left 1st lumbar splanchnic nerve 左第1腰内脏神经
Left sympathetic trunk 左交感干
Left renal ganglion and plexus 左肾神经节和神经丛
Left least splanchnic nerve 左内脏最小神经
Aorticorenal ganglia 主动脉肾节
Left lesser splanchnic nerve 左内脏小神经
Celiac plexus and ganglia 腹腔丛和腹腔神经节
Left greater splanchnic nerve 左内脏大神经
Left suprarenal gland 左肾上腺
Left inferior phrenic artery and plexus 左膈下动脉和左膈下丛
Posterior vagal trunk 迷走神经后干
Left phrenic nerve 左膈神经

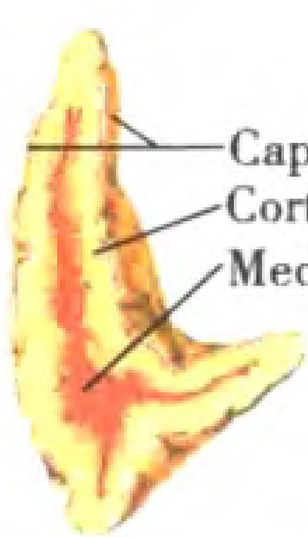

Intermediolateral cell column (lateral horn of gray matter) 中间外侧细胞柱(灰质侧角)
T5
T6
T7
T8
Spinal cord 脊髓
Sympathetic trunk 交感干
内脏大神经(节前神经纤维) Greater splanchnic nerve (preganglionic fibers)
Celiac 腹腔神经节 ganglion
分布于血管的节后纤维 Postganglionic fibers supply blood vessels
Medulla 髓质
Cortex 皮质
Preganglionic fibers ramify around cells of medulla 髓质细胞周围的节前神经纤维分支
Suprarenal gland 肾上腺



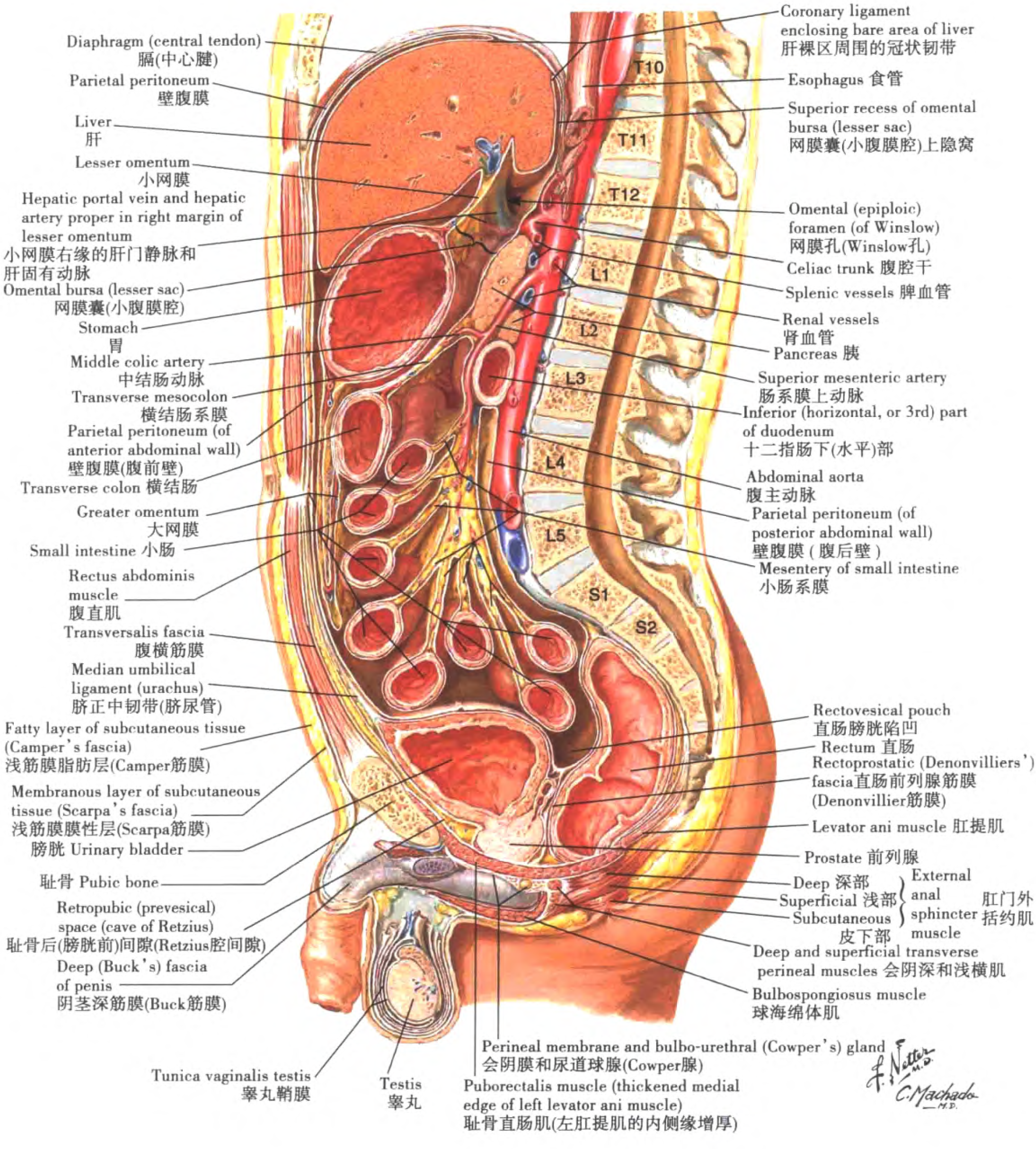
Abdominal exposure of right suprarenal gland
腹部暴露右肾上腺



Abdominal exposure of left suprarenal gland
腹部暴露左肾上腺

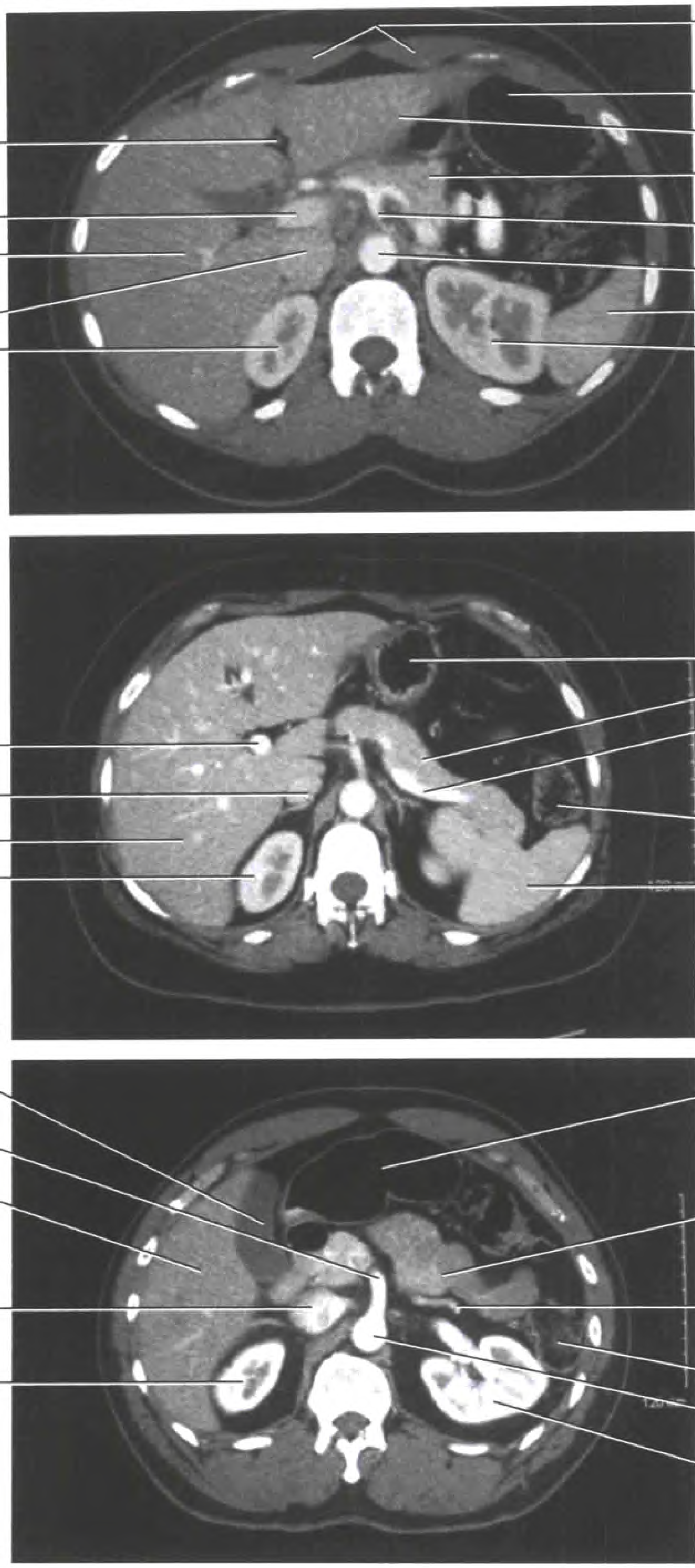


Cross section through suprarenal gland
肾上腺横断面



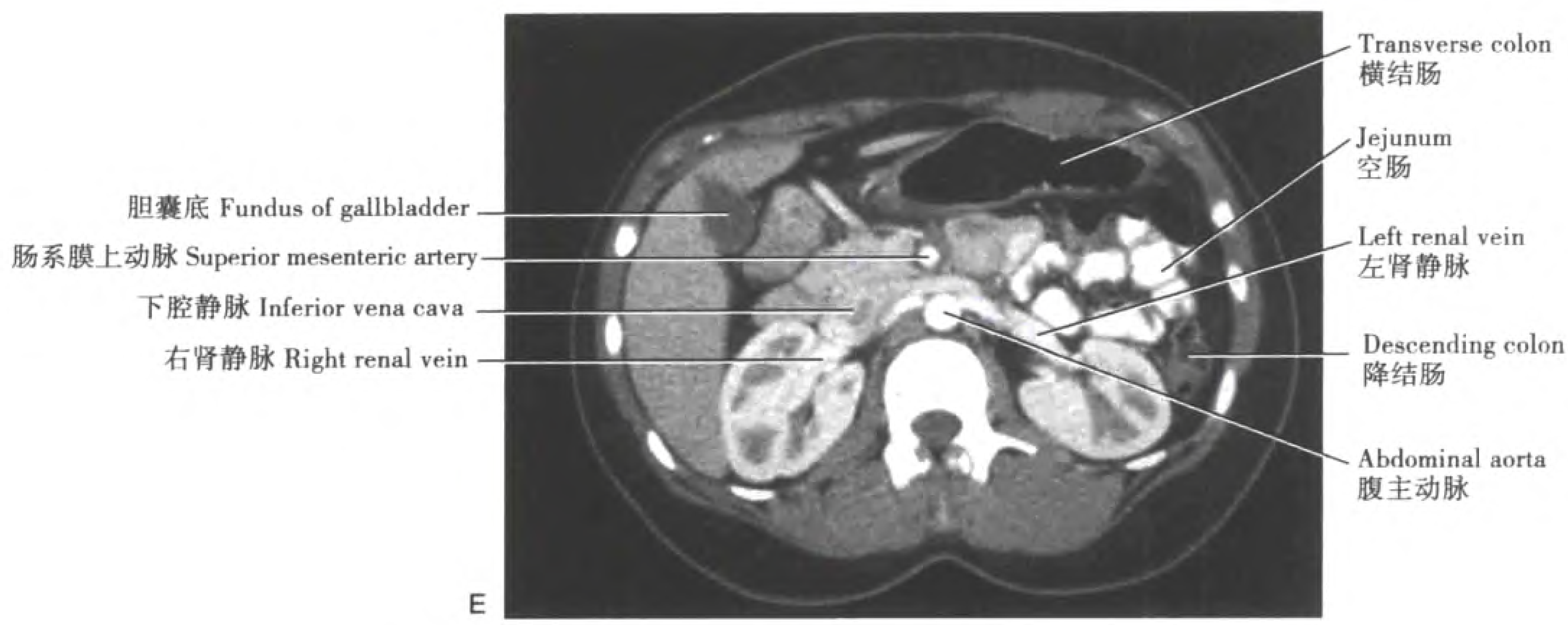
Diaphragm (central tendon)
膈(中心腱)
Parietal peritoneum
壁腹膜
Liver
肝
Lesser omentum
小网膜
Hepatic portal vein and hepatic artery proper in right margin of lesser omentum
小网膜右缘的肝门静脉和肝固有动脉
Omental bursa (lesser sac)
网膜囊(小腹膜腔)
Stomach
胃
Middle colic artery
中结肠动脉
Transverse mesocolon
横结肠系膜
Parietal peritoneum (of anterior abdominal wall)
壁腹膜(腹前壁)
Transverse colon 横结肠
Greater omentum
大网膜
Small intestine 小肠
Rectus abdominis muscle
腹直肌
Transversalis fascia
腹横筋膜
Median umbilical ligament (urachus)
脐正中韧带(脐尿管)
Fatty layer of subcutaneous tissue (Camper's fascia)
浅筋膜脂肪层(Camper筋膜)
Membranous layer of subcutaneous tissue (Scarpa's fascia)
浅筋膜膜性层(Scarpa筋膜)
膀胱 Urinary bladder
耻骨 Pubic bone
Retropubic (prevesical) space (cave of Retzius)
耻骨后(膀胱前)间隙(Retzius腔间隙)
Deep (Buck's) fascia of penis
阴茎深筋膜(Buck筋膜)
Tunica vaginalis testis
睾丸鞘膜
Testis
睾丸
Coronary ligament enclosing bare area of liver
肝裸区周围的冠状韧带
Esophagus 食管
Superior recess of omental bursa (lesser sac)
网膜囊(小腹膜腔)上隐窝
Omental (epiploic) foramen (of Winslow)
网膜孔(Winslow孔)
Celiac trunk 腹腔干
Splenic vessels 脾血管
Renal vessels
肾血管
Pancreas 胰
Superior mesenteric artery
肠系膜上动脉
Inferior (horizontal, or 3rd) part of duodenum
十二指肠下(水平)部
Abdominal aorta
腹主动脉
Parietal peritoneum (of posterior abdominal wall)
壁腹膜(腹后壁)
Mesentery of small intestine
小肠系膜
T10
T11
T12
L1
L2
L3
L4
L5
S1
S2
Rectovesical pouch
直肠膀胱陷凹
Rectum 直肠
Rectoprostatic (Denonvilliers') fascia直肠前列腺筋膜(Denonvillier筋膜)
Levator ani muscle 肛提肌
Prostate 前列腺
Deep 深部
Superficial 浅部
Subcutaneous 皮下部
External anal sphincter muscle
肛门外括约肌
Deep and superficial transverse perineal muscles 会阴深和浅横肌
Bulbospongiosus muscle
球海绵体肌
Perineal membrane and bulbo-urethral (Cowper's) gland
会阴膜和尿道球腺(Cowper腺)
Puborectalis muscle (thickened medial edge of left levator ani muscle)
耻骨直肠肌(左肛提肌的内侧缘增厚)
F. Netter M.D.
C.Machado M.D.

从上(A)向下(C)腹部轴位CT图像
Series of abdominal axial CT images from superior (A) to inferior (C)

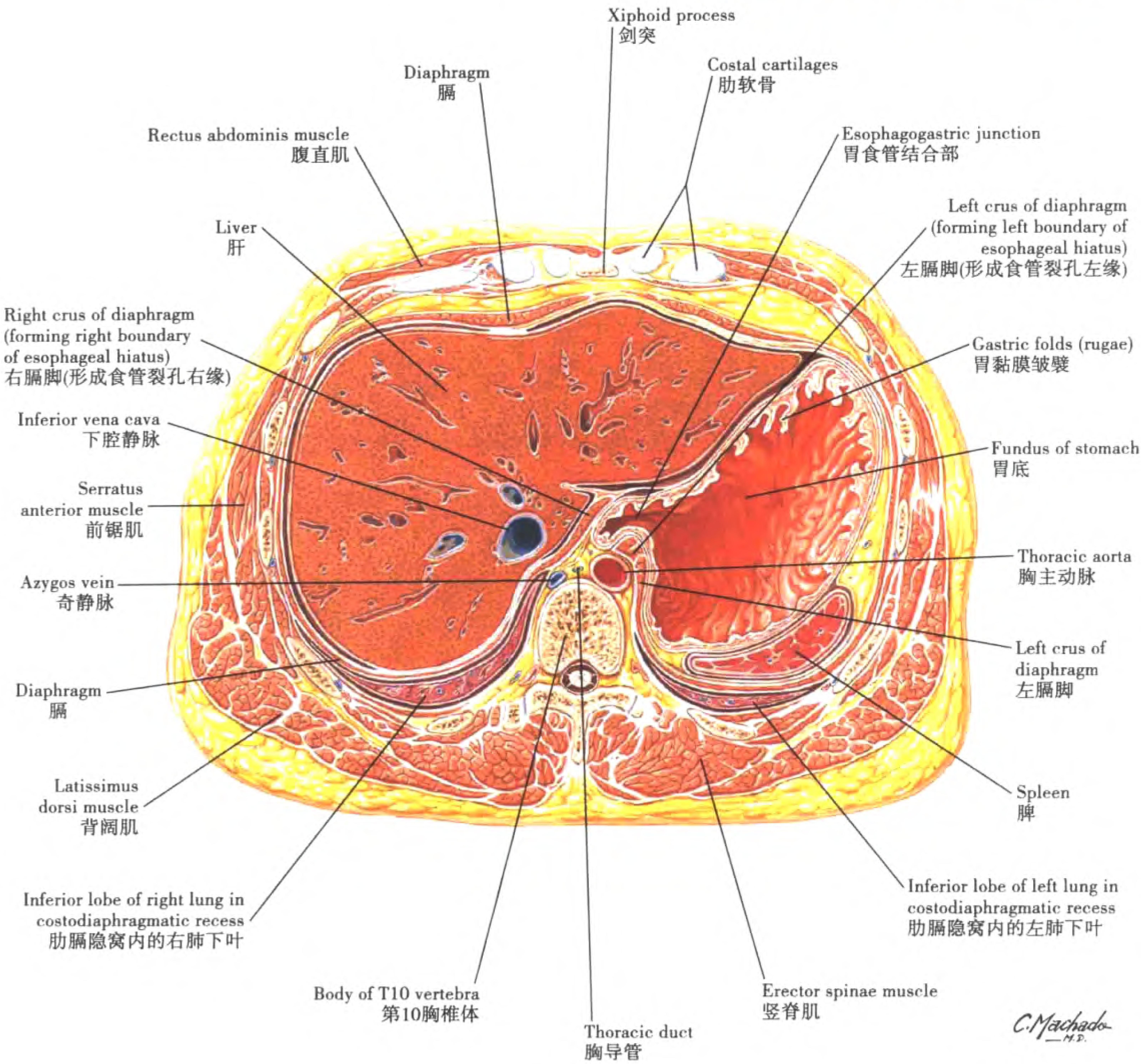


从上(D)向下(E)腹部轴位CT图像
Series of abdominal axial CT images from superior (D) to inferior (E)

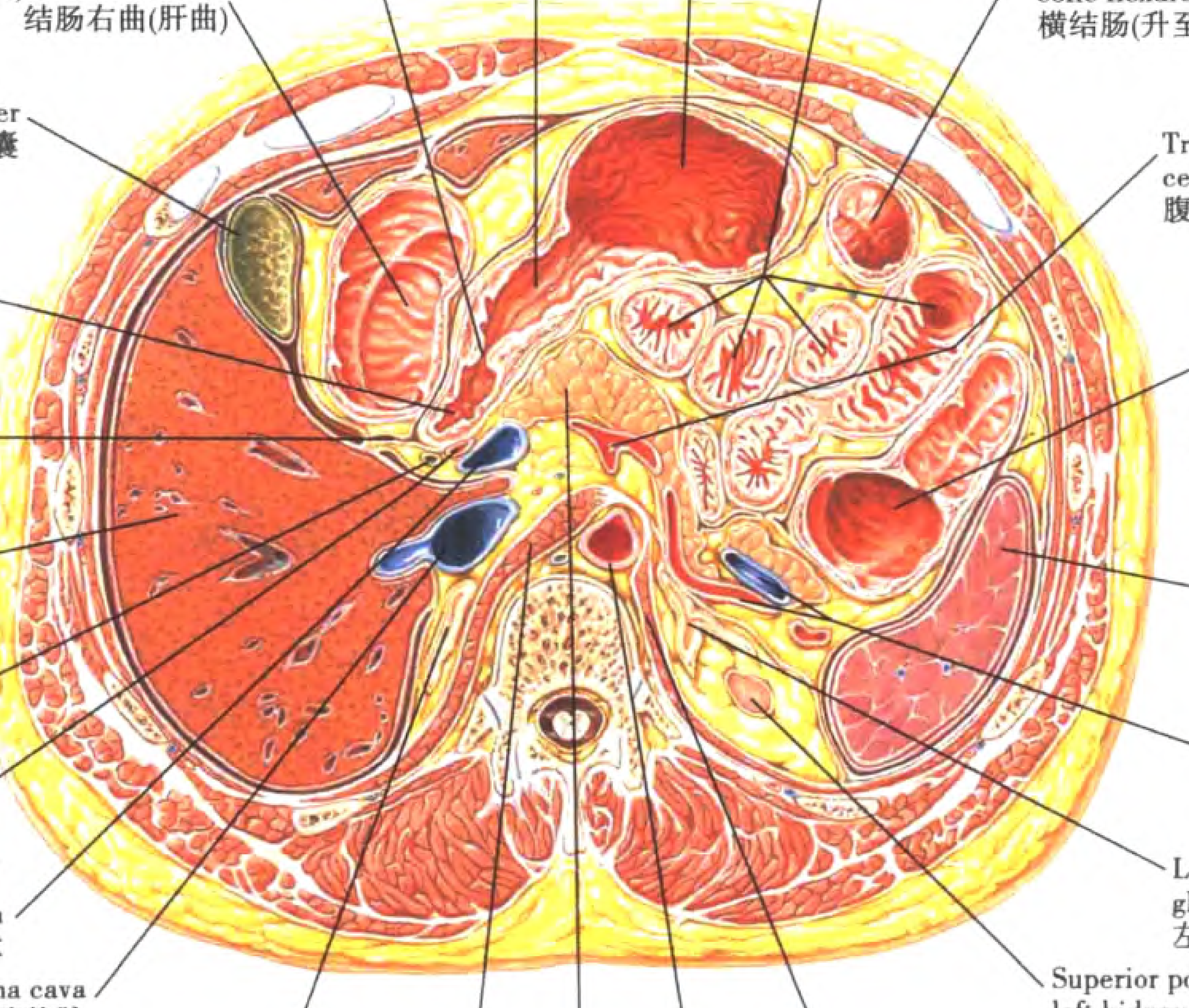




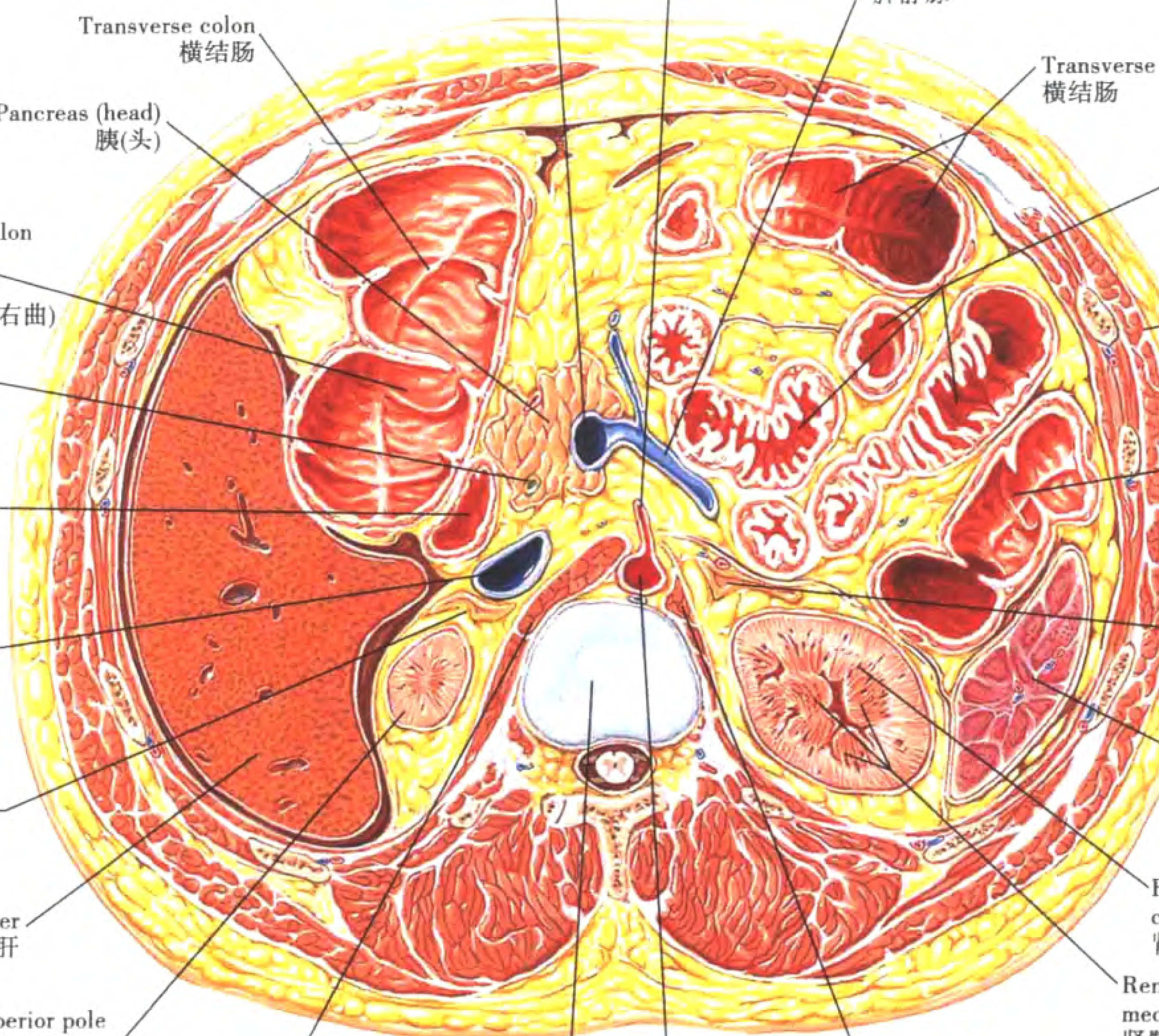



Xiphoid process
剑突
Costal cartilages
肋软骨
Diaphragm
膈
Rectus abdominis muscle
腹直肌
Esophagogastric junction
胃食管结合部
Liver
肝
Left crus of diaphragm (forming left boundary of esophageal hiatus)
左膈脚(形成食管裂孔左缘)
Right crus of diaphragm (forming right boundary of esophageal hiatus)
右膈脚(形成食管裂孔右缘)
Gastric folds (rugae)
胃黏膜皱襞
Inferior vena cava
下腔静脉
Fundus of stomach
胃底
Serratus anterior muscle
前锯肌
Thoracic aorta
胸主动脉
Azygos vein
奇静脉
Left crus of diaphragm
左膈脚
Diaphragm
膈
Spleen
脾
Latissimus dorsi muscle
背阔肌
Inferior lobe of right lung in costodiaphragmatic recess
肋膈隐窝内的右肺下叶
Inferior lobe of left lung in costodiaphragmatic recess
肋膈隐窝内的左肺下叶
Body of T10 vertebra
第10胸椎体
Erector spinae muscle
竖脊肌
Thoracic duct
胸导管
C. Machado M.D.

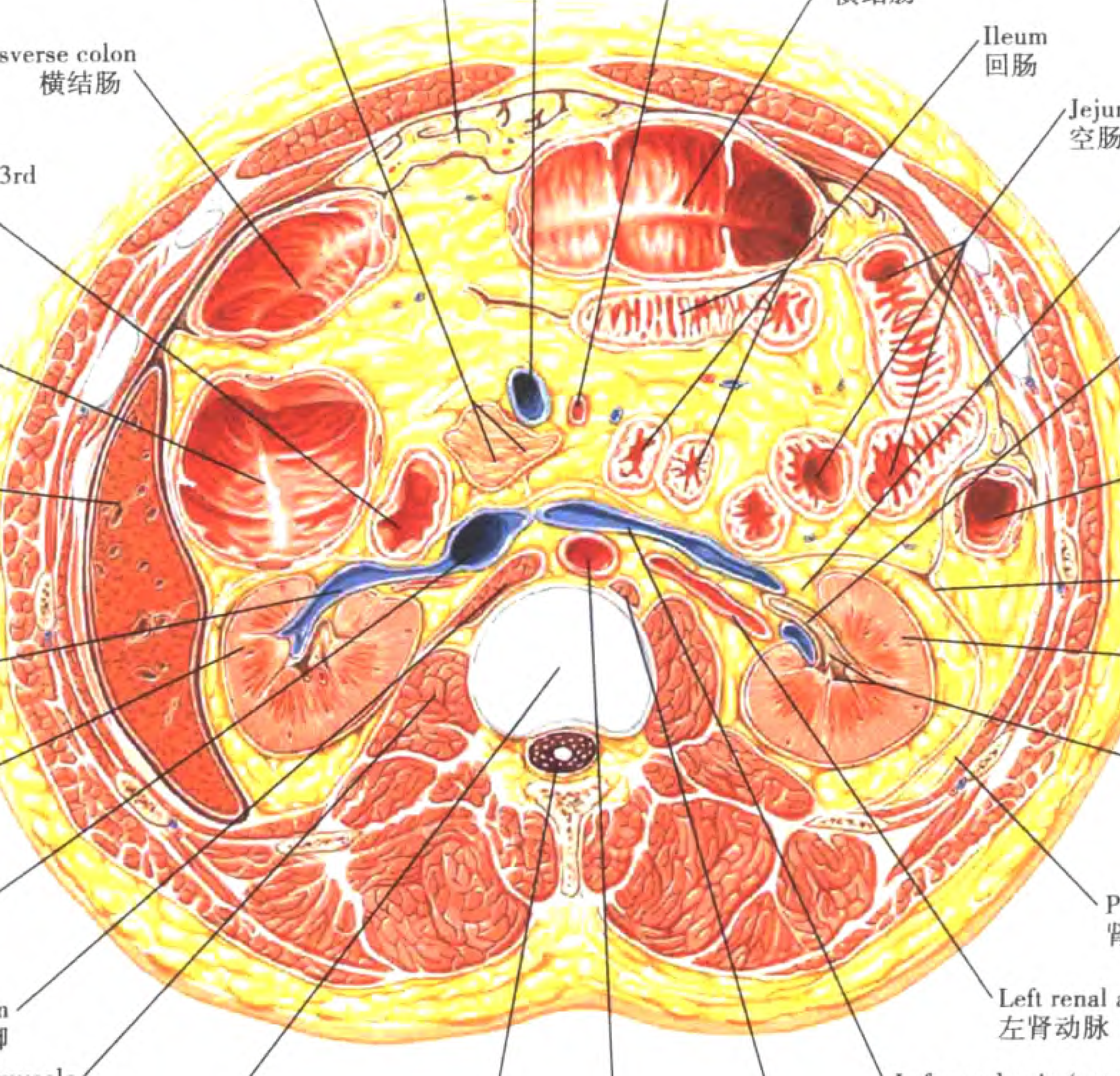



Pyloric canal
幽门管
Stomach
胃
Jejunum
空肠
Pylorus
幽门
Transverse colon (ascending to left colic flexure)
横结肠(升至结肠左曲)
Right colic (hepatic) flexure of colon
结肠右曲(肝曲)
Gallbladder
胆囊
Trifurcation of celiac trunk
腹腔干分支处
Superior (1st) part of duodenum
十二指肠上部
Hepatoduodenal ligament
肝十二指肠韧带
Descending colon (descending from left colic flexure)
降结肠(自结肠左曲下降)
Liver
肝
Spleen
脾
Common bile duct
肝总管
Portal triad
肝三联管
Hepatic artery proper
肝固有动脉
Portal vein
肝门静脉
Splenic artery and vein
脾动脉和静脉
Left suprarenal gland
左肾上腺
Superior pole of left kidney
左肾上极
Inferior vena cava
下腔静脉
Right suprarenal gland
右肾上腺
Left crus of diaphragm
左膈脚
Right crus of diaphragm
右膈脚
Thoracic aorta
胸主动脉
Pancreas
胰
C. Machado M.D.

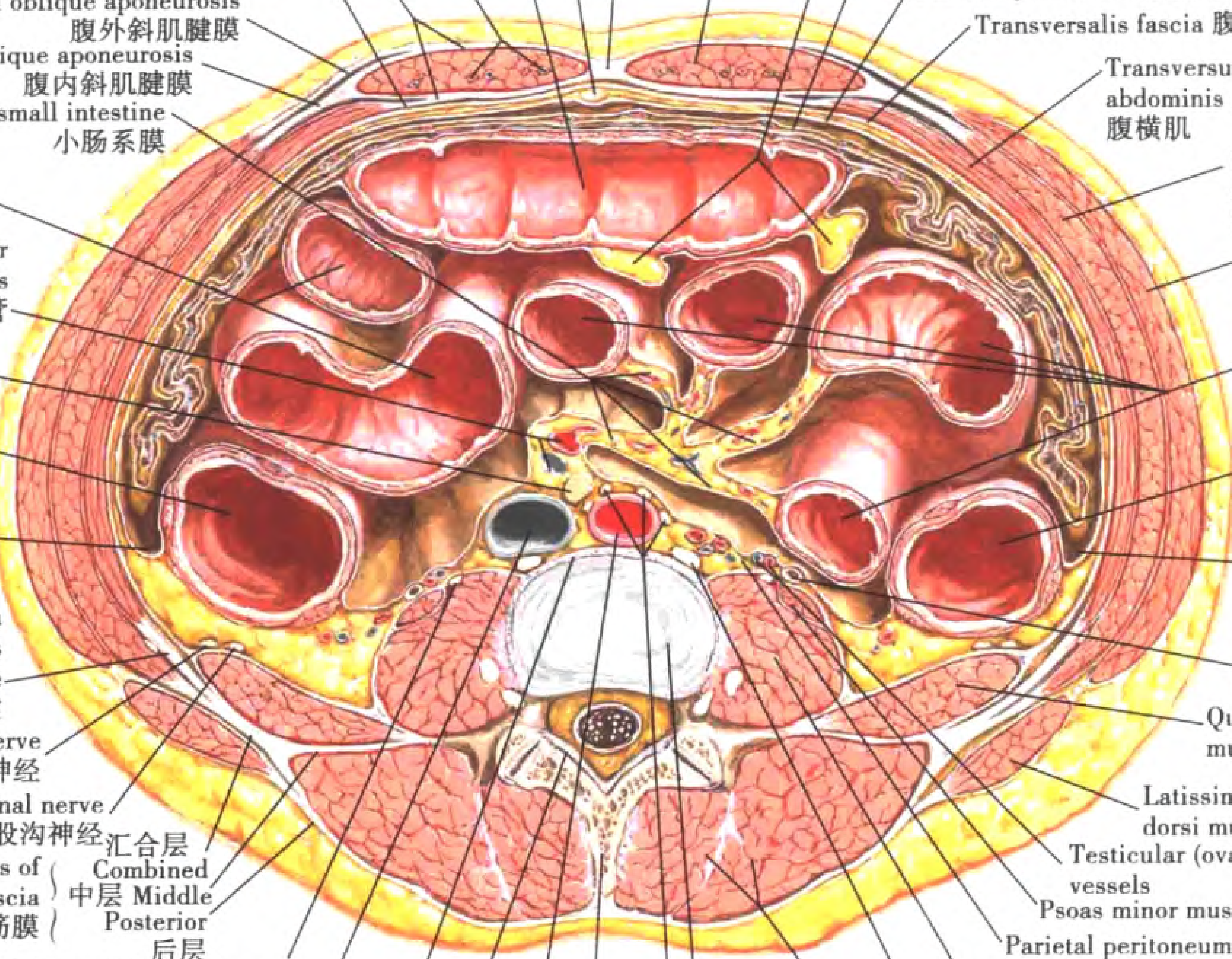



Superior mesenteric vein (becoming portal vein)
肠系膜上静脉(汇成肝门静脉)
Celiac trunk
腹腔干
Splenic vein
脾静脉
Transverse colon
横结肠
Pancreas (head)
胰(头)
Transverse colon
横结肠
Jejunum
空肠
Ascending colon (right colic flexure)
升结肠(结肠右曲)
External oblique muscle
腹外斜肌
(Common) bile duct
胆总管
Descending (2nd) part of duodenum
十二指肠降部
Descending colon
降结肠
Inferior vena cava
下腔静脉
Left suprarenal gland
左肾上腺
Right suprarenal gland
右肾上腺
Spleen
脾
Liver
肝
Renal cortex
肾皮质
Left kidney
左肾
Renal medulla
肾髓质
Superior pole of right kidney
右肾上极
Right crus of diaphragm
右膈脚
Left crus of diaphragm
左膈脚
T12~L1 intervertebral disc
T12~L1椎间盘
Abdominal aorta
腹主动脉
C.Machado M.D.



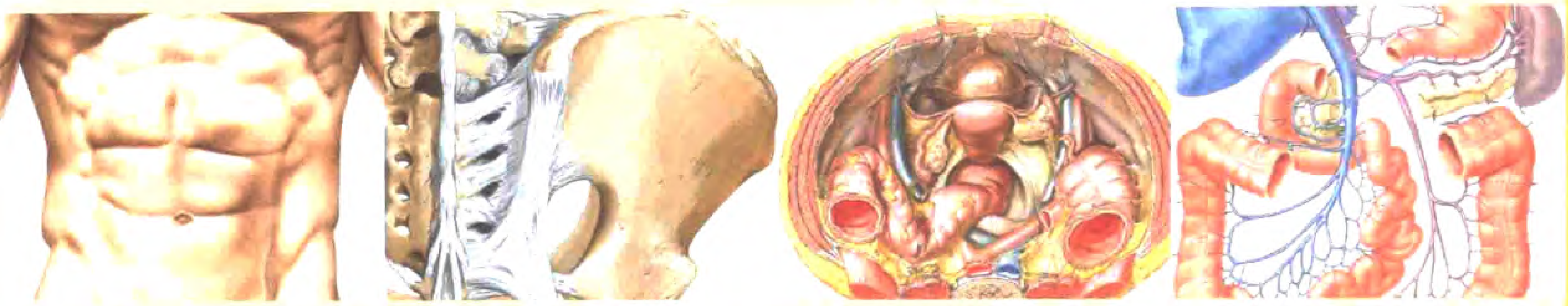

Greater omentum
大网膜
Superior mesenteric vein
肠系膜上静脉
Superior mesenteric artery
肠系膜上动脉
Pancreas with uncinate process
胰钩突
Transverse colon
横结肠
Ileum
回肠
Transverse colon
横结肠
Jejunum
空肠
Junction of 2nd and 3rd parts of duodenum
十二指肠降部和水平部结合处
Perirenal fat
肾周围脂肪
Ascending colon
升结肠
Ureteropelvic junction
输尿管肾盂结合处
Liver
肝
Descending colon
降结肠
Renal fascia
肾筋膜
Right renal vein (entering inferior vena cava)
右肾静脉(汇入下腔静脉)
Left kidney
左肾
Right kidney
右肾
Major calyx and renal pelvis
肾大盏和肾盂
Inferior vena cava
下腔静脉
Pararenal fat
肾旁脂肪
Right crus of diaphragm
右膈脚
Left renal artery
左肾动脉
Psoas major muscle
腰大肌
Left renal vein (entering inferior vena cava)
左肾静脉(汇入下腔静脉)
L1~2 intervertebral disc
L1~2椎间盘
Left crus of diaphragm
左膈脚
Conus medullaris and cauda equina
脊髓圆锥和马尾
Abdominal aorta
腹主动脉
C.Machado M.D.




肝圆韧带 Round ligament (ligamentum teres) of liver
横结肠 Transverse colon
腹壁下血管分支 Branches of inferior epigastric vessels
腹直肌鞘 Rectus sheath
Transversus abdominis aponeurosis 腹横筋膜
External oblique aponeurosis
腹外斜肌腱膜
Internal oblique aponeurosis
腹内斜肌腱膜
Mesentery of small intestine
小肠系膜
Small intestine
(ileum)
小肠(回肠)
Superior
mesenteric vessels
肠系膜上血管
Lymph node
淋巴结
Ascending
colon
升结肠
Right
paracolic gutter
右结肠旁沟
Tendon of origin
of transversus
abdominis muscle
腹横肌起始腱
Iliohypogastric nerve
髂腹下神经
Ilio-inguinal nerve
髂腹股沟神经
Layers of thoracolumbar fascia 胸腰筋膜
汇合层 Combined
中层 Middle
Posterior 后层
右生殖股神经 Right genitofemoral nerve
下腔静脉 Inferior vena cava
前纵韧带 Anterior longitudinal ligament
黄韧带 Ligamentum flavum
腹主动脉 Abdominal aorta
Spinous process of L3 vertebra
第3腰椎棘突
Linea alba
白线
Rectus abdominis muscle
腹直肌
Omental appendices 肠脂垂
Greater omentum 大网膜
Parietal peritoneum 壁腹膜
Transversalis fascia 腹横筋膜
Transversus
abdominis muscle
腹横肌
Internal oblique
muscle
腹内斜肌
External oblique
muscle
腹外斜肌
Small intestine
(jejunum)
小肠(空肠)
Descen-
ding colon
降结肠
Left paracolic
gutter 左结肠旁沟
Left ureter 左输尿管
Quadratus lumborum
muscle 腰方肌
Latissimus
dorsi muscle 背阔肌
Testicular (ovarian) 睾丸(卵巢)
vessels 血管
Psoas minor muscle 腰小肌
Parietal peritoneum 壁腹膜
Psoas major muscle 腰大肌
Left sympathetic trunk 左交感干
Erector spinae muscle 竖脊肌
Intervertebral disc between L3 and L4 vertebrae
L3~4椎间盘
Intermesenteric (aortic) plexus
肠系膜间丛(腹主动脉丛)

骨骼肌	近端附着点（起点）	远端附着点（止点）	神经支配	主要作用	动脉血供	肌群
膈肌	剑突后，下6对肋软骨，L1～3腰椎体前	移行于中心腱	膈神经	使中心腱随呼吸上下移动	心包膈动脉，肌膈动脉，膈上动脉，膈下动脉	腹后壁肌群
腹外斜肌	第5～12肋骨外缘	白线，耻骨结节，髂嵴前部	下6对胸神经腹支	保护腹腔脏器和维持腹内压，前屈、侧屈和旋转	腹壁上动脉，腹壁下动脉	腹壁肌群
髂肌	上2/3髂窝，骶翼，骶髂韧带前	股骨小转子及其后干，腰大肌肌腱	股神经	屈髋，稳定髋关节；与臀大肌协同作用	髂腰动脉髂支	腹后壁肌群
腹内斜肌	胸腰筋膜，前2/3髂嵴，腹股沟韧带外侧半	第10～12肋骨内侧缘，白线，耻骨联合腱	下6对胸神经腹支，第1对腰神经腹支	保护腹腔脏器和维持腹内压，前屈、侧屈和旋转	腹壁上动脉，腹壁下动脉，旋髂深动脉	腹壁肌群
腰大肌	腰椎横突，T12～L5椎体侧缘，嵌入椎间盘中	股骨小转子	前4对腰神经腹支	与髂肌协同，屈髋；使脊柱侧弯，坐位时稳定躯干，与髂肌协同旋转躯干	髂腰动脉腰支	腹后壁肌群
腰小肌	T12～L1椎体边缘，及与其对应的椎间盘	耻骨肌线，髂耻隆起	第1对腰神经腹支	脊柱固定时，前屈、侧屈骨盆	髂腰动脉腰支	腹后壁肌群
锥状肌	耻骨体，腹直肌前	白线	髂腹下神经	紧张白线	腹壁下动脉	腹壁肌群
腰方肌	第12肋中部下缘，腰椎横突尖	髂腰韧带，髂嵴内侧唇	第12对胸神经腹支，前4对腰神经腹支	伸和侧屈脊柱，呼吸时固定第12肋	髂腰动脉	腹后壁肌群
腹直肌	耻骨联合，髂嵴	剑突，第5～7肋软骨	下6对胸神经腹支	前屈、侧屈和旋转躯干，维持腹内压	腹壁上动脉，腹壁下动脉	腹壁肌群
腹横肌	第7～12肋软骨内侧面，胸腰筋膜，髂嵴，腹股沟韧带外1/3	与腹内斜肌腱膜在腹白线融合，髂嵴，在耻骨梳形成联合腱	下6对胸神经腹支，第1对腰神经腹支	保护腹腔脏器和维持腹内压	旋髂深动脉，腹壁下动脉	腹壁肌群

在人体中，骨骼肌的脊神经支配、起止点和主要作用的变异十分常见。因此，各书中描述略有不同，这种解剖学上的变异是正常现象。



5 盆部和会阴

局部解剖

图 329

329 盆部和会阴:表面解剖

骨和韧带

图 330-334

330 盆部的骨性结构
331 男性和女性的骨盆成像
332 骨盆的性别差异:测量
333 骨盆的骨和韧带
334 骨盆的骨和韧带(续)

盆底及内容物

图 335-345

335 盆膈:女性
336 盆膈:女性(续)
337 盆膈:女性(续)
338 盆膈:男性
339 盆膈:男性(续)
340 盆腔脏器和会阴:女性
341 盆腔内容物:女性
342 盆腔脏器:女性
343 盆内筋膜和筋膜间隙
344 盆腔脏器和会阴:男性
345 盆腔内容物:男性

盆部和会阴

膀胱

图 346-348

346 膀胱:位置和固定装置

347 女性尿道括约肌

348 膀胱:女性和男性

子宫、阴道和固定装置

图 349-353

349 子宫的发育

350 子宫、阴道和固定装置

351 子宫:韧带

352 子宫及附件

353 盆腔的韧带

会阴和外生殖器:女性

图 354-357

354 女性会阴和外生殖器（外阴或女阴）

355 女性会阴(浅层解剖)

356 女性会阴和会阴深层

357 女性会阴间隙

会阴和外生殖器:男性

图 358-365

358 男性会阴和外生殖器（浅层解剖）

359 男性会阴和外生殖器（深层解剖）

360 阴茎

361 男性会阴间隙

362 前列腺和精囊

363 尿道

364 睾丸下降

365 阴囊及其内容物

生殖器的同源性

图 366-367

366 外生殖器的同源性

367 内生殖器的同源性

睾丸、附睾和输精管

图 368

368 睾丸、附睾和输精管

直肠

图 369-374

369 直肠原位:男性和女性

370 坐骨直肠窝

371 直肠和肛管

372 肛直肠肌

373 肛门外括约肌:会阴面观

374 盆会阴间隙:真实间隙和潜在间隙

局部扫描成像

图 375

375 盆部扫描成像:矢状面 CT 成像

脉管系统

图 376-386

376 直肠和肛门动脉:男性

377 直肠和肛管静脉:女性

378 盆腔脏器的动脉和静脉:女性

379 睾丸的动脉和静脉

380 盆腔的动脉:女性

381 盆腔动脉和静脉:男性

382 子宫和会阴动脉和静脉

383 会阴的动脉和静脉:男性

384 盆腔和生殖器的淋巴管和淋巴结:女性

385 会阴淋巴管和淋巴结:女性

386 盆腔和生殖器的淋巴管和淋巴结:男性

神经支配

图 387-395

387　外生殖器的神经：男性

388　盆腔脏器的神经：男性

389　会阴部的神经：男性

390　盆腔脏器的神经：女性

391　会阴和外生殖器的神经：女性

392　分娩的神经通路

393　女性生殖器官的神经支配：示意图

394　男性生殖器官的神经支配：示意图

395　膀胱和输尿管下段的神经支配：示意图

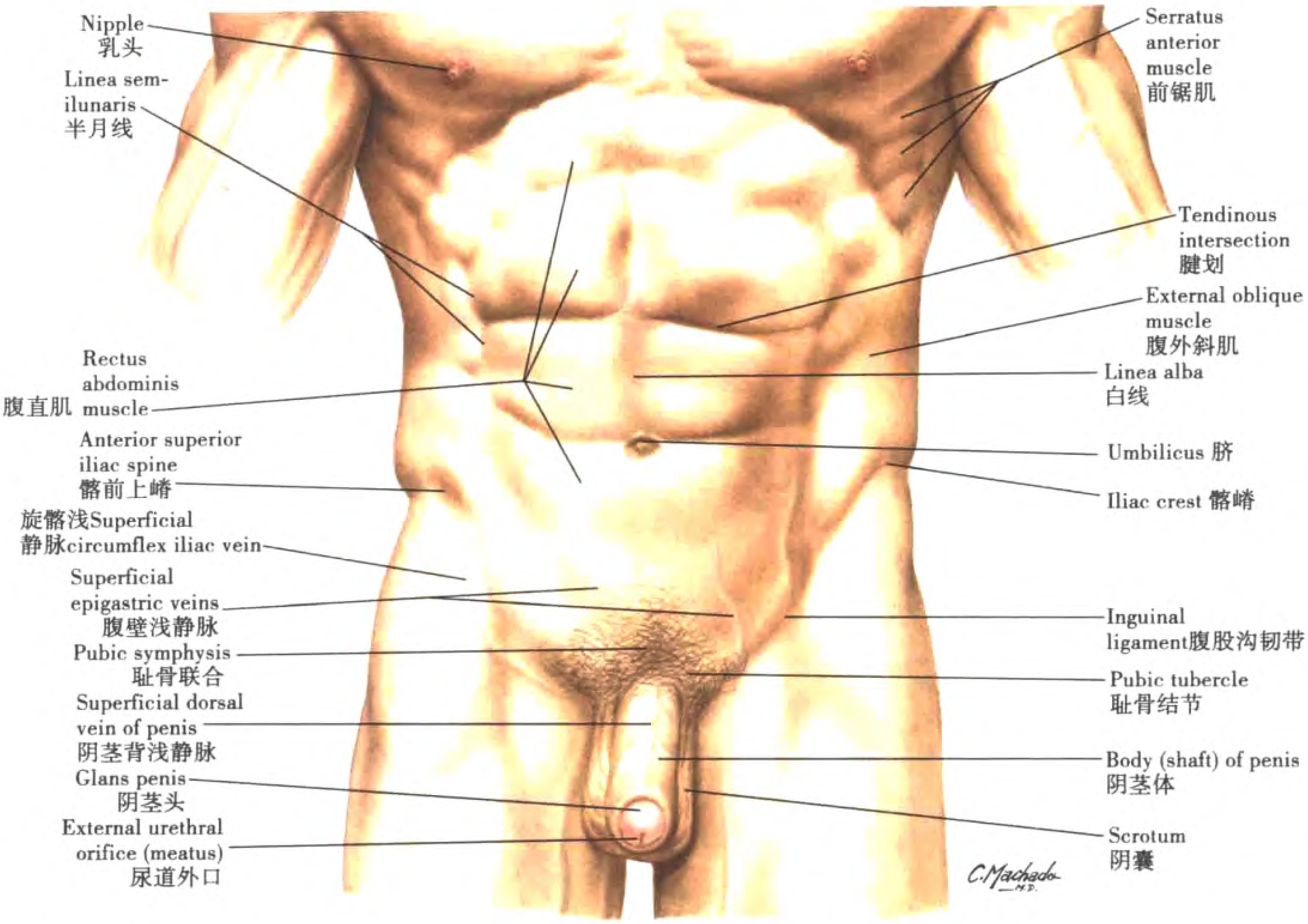
断层解剖

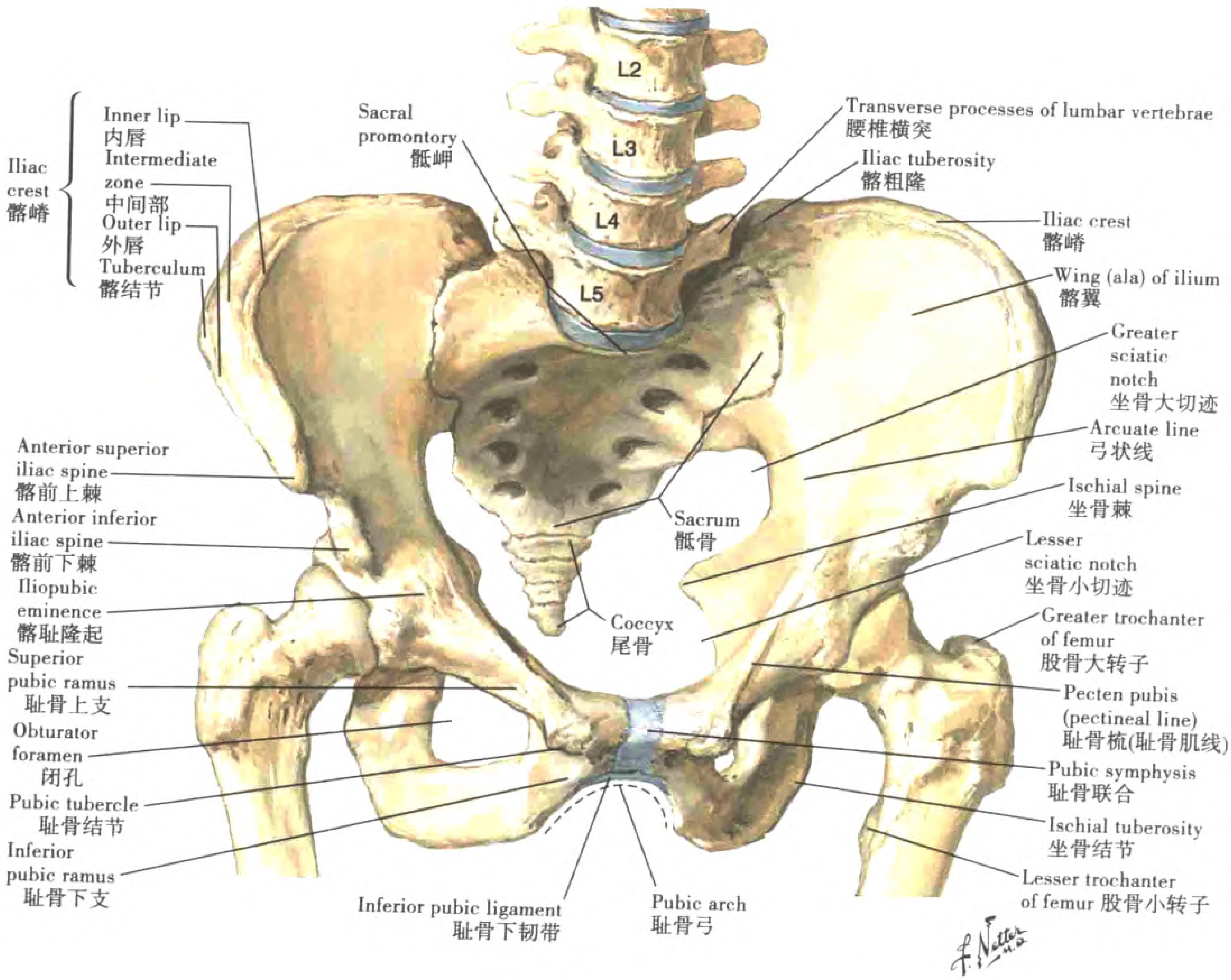
图 396-397

396　男性盆腔：膀胱-前列腺结合部横断面

397　女性盆腔：阴道-尿道横断面

肌肉总表

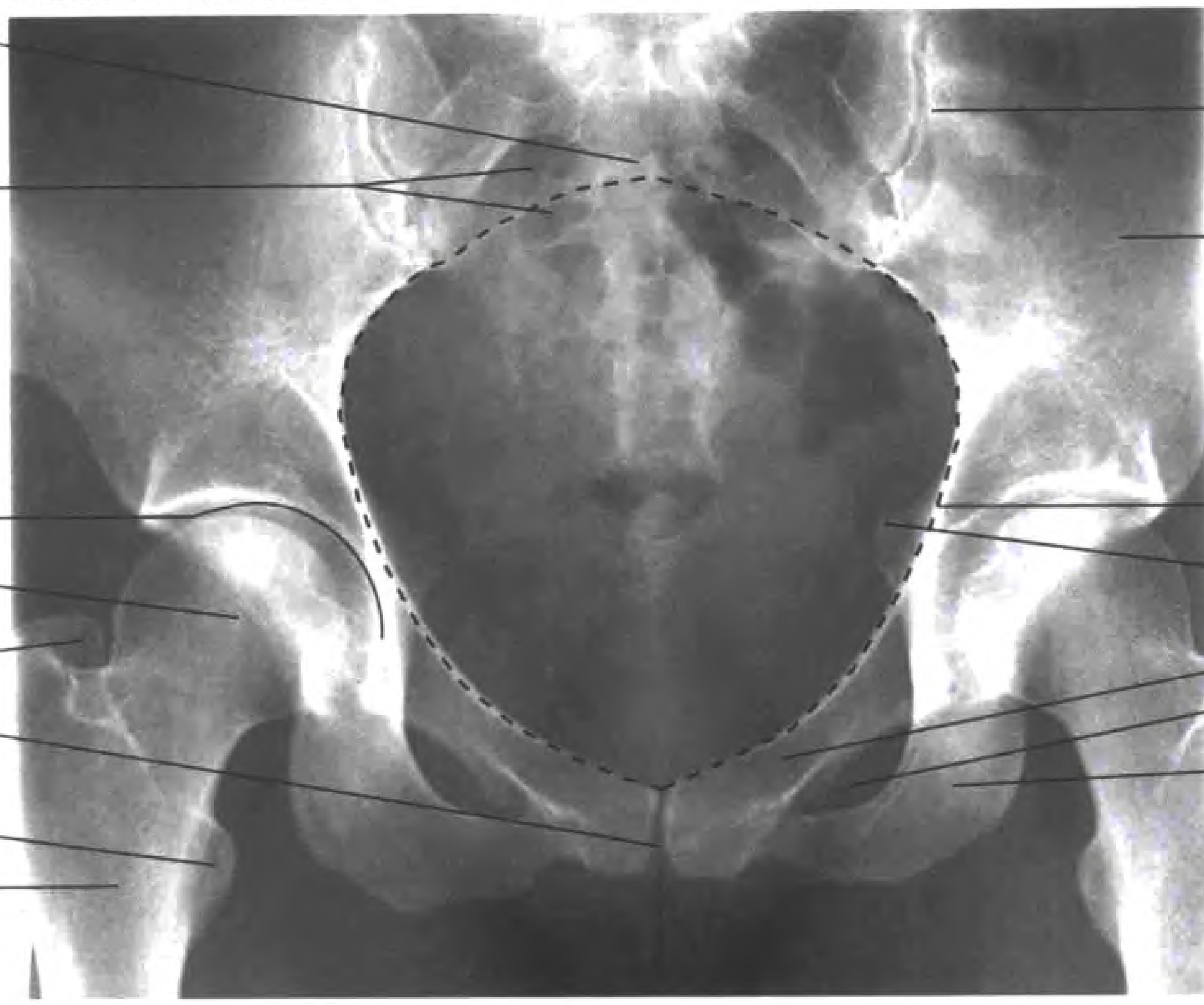

Nipple 乳头
Linea semilunaris 半月线
Rectus abdominis muscle 腹直肌
Anterior superior iliac spine 髂前上嵴
旋髂浅静脉 Superficial circumflex iliac vein
Superficial epigastric veins 腹壁浅静脉
Pubic symphysis 耻骨联合
Superficial dorsal vein of penis 阴茎背浅静脉
Glans penis 阴茎头
External urethral orifice (meatus) 尿道外口
Serratus anterior muscle 前锯肌
Tendinous intersection 腱划
External oblique muscle 腹外斜肌
Linea alba 白线
Umbilicus 脐
Iliac crest 髂嵴
Inguinal ligament 腹股沟韧带
Pubic tubercle 耻骨结节
Body (shaft) of penis 阴茎体
Scrotum 阴囊
C.Machado M.D.



L2
L3
L4
L5
Iliac crest 髂嵴
Inner lip 内唇
Intermediate zone 中间部
Outer lip 外唇
Tuberculum 髂结节
Sacral promontory 骶岬
Transverse processes of lumbar vertebrae 腰椎横突
Iliac tuberosity 髂粗隆
Iliac crest 髂嵴
Wing (ala) of ilium 髂翼
Greater sciatic notch 坐骨大切迹
Arcuate line 弓状线
Ischial spine 坐骨棘
Lesser sciatic notch 坐骨小切迹
Greater trochanter of femur 股骨大转子
Pecten pubis (pectineal line) 耻骨梳(耻骨肌线)
Pubic symphysis 耻骨联合
Ischial tuberosity 坐骨结节
Lesser trochanter of femur 股骨小转子
Anterior superior iliac spine 髂前上棘
Anterior inferior iliac spine 髂前下棘
Iliopubic eminence 髂耻隆起
Superior pubic ramus 耻骨上支
Obturator foramen 闭孔
Pubic tubercle 耻骨结节
Inferior pubic ramus 耻骨下支
Sacrum 骶骨
Coccyx 尾骨
Inferior pubic ligament 耻骨下韧带
Pubic arch 耻骨弓
F. Netter M.D.

图 330 骨和韧带

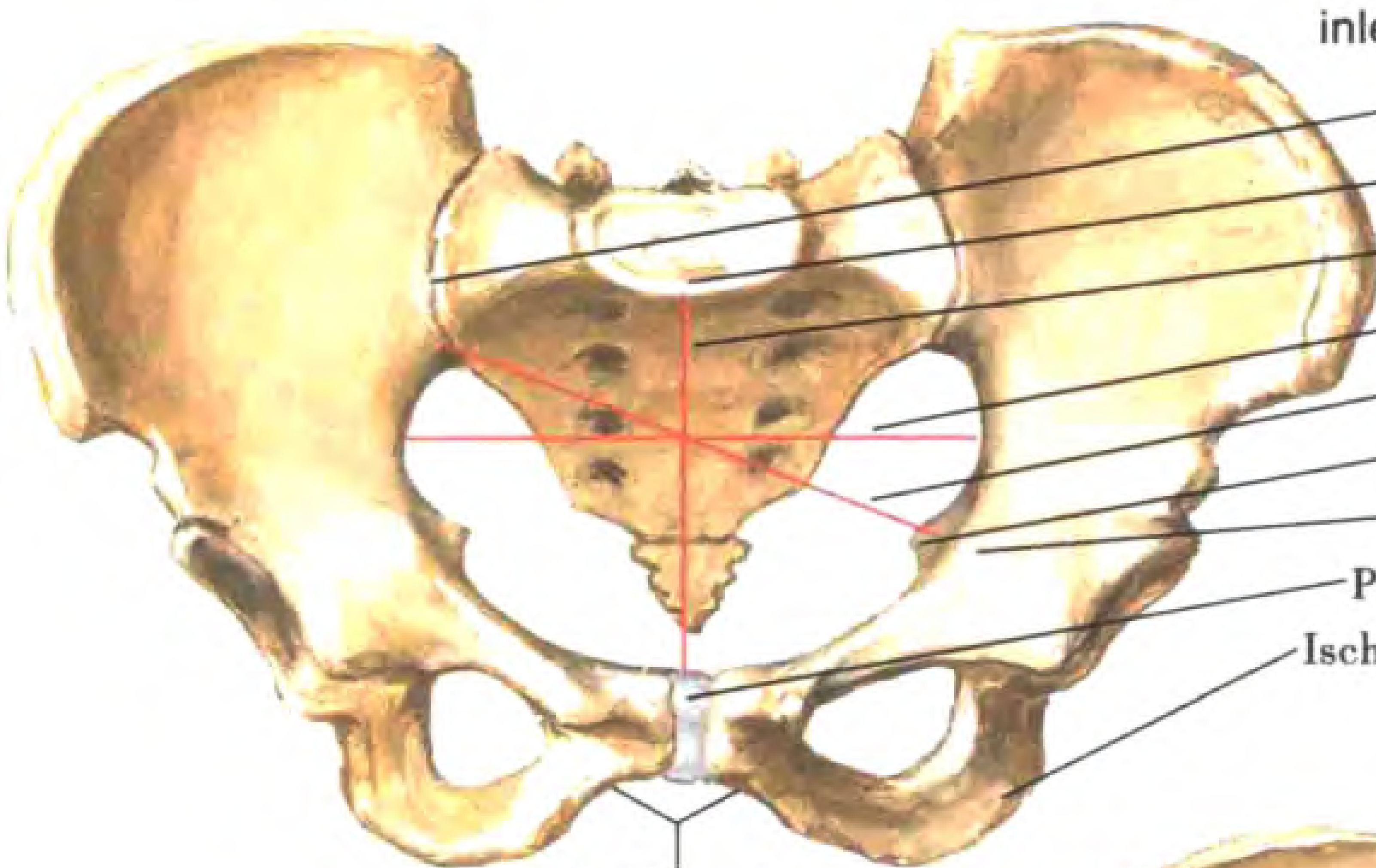
Female Pelvis 女性骨盆



Male Pelvis 男性骨盆



Female pelvis/female pelvic 女性骨盆
inlet: anterior view 入口：前面观

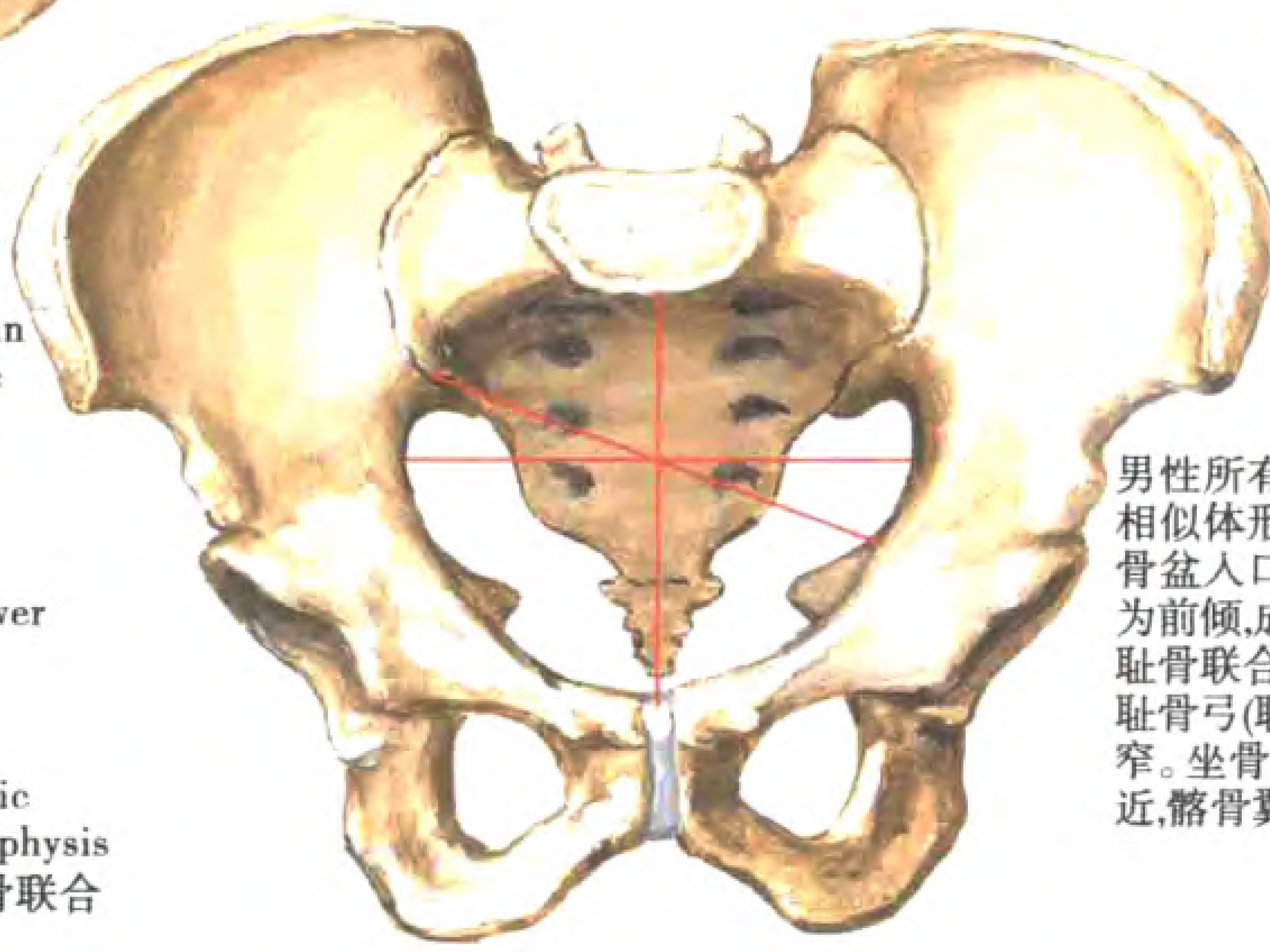


Male pelvis/male pelvic 男性骨盆
inlet: anterior view 入口：前面观

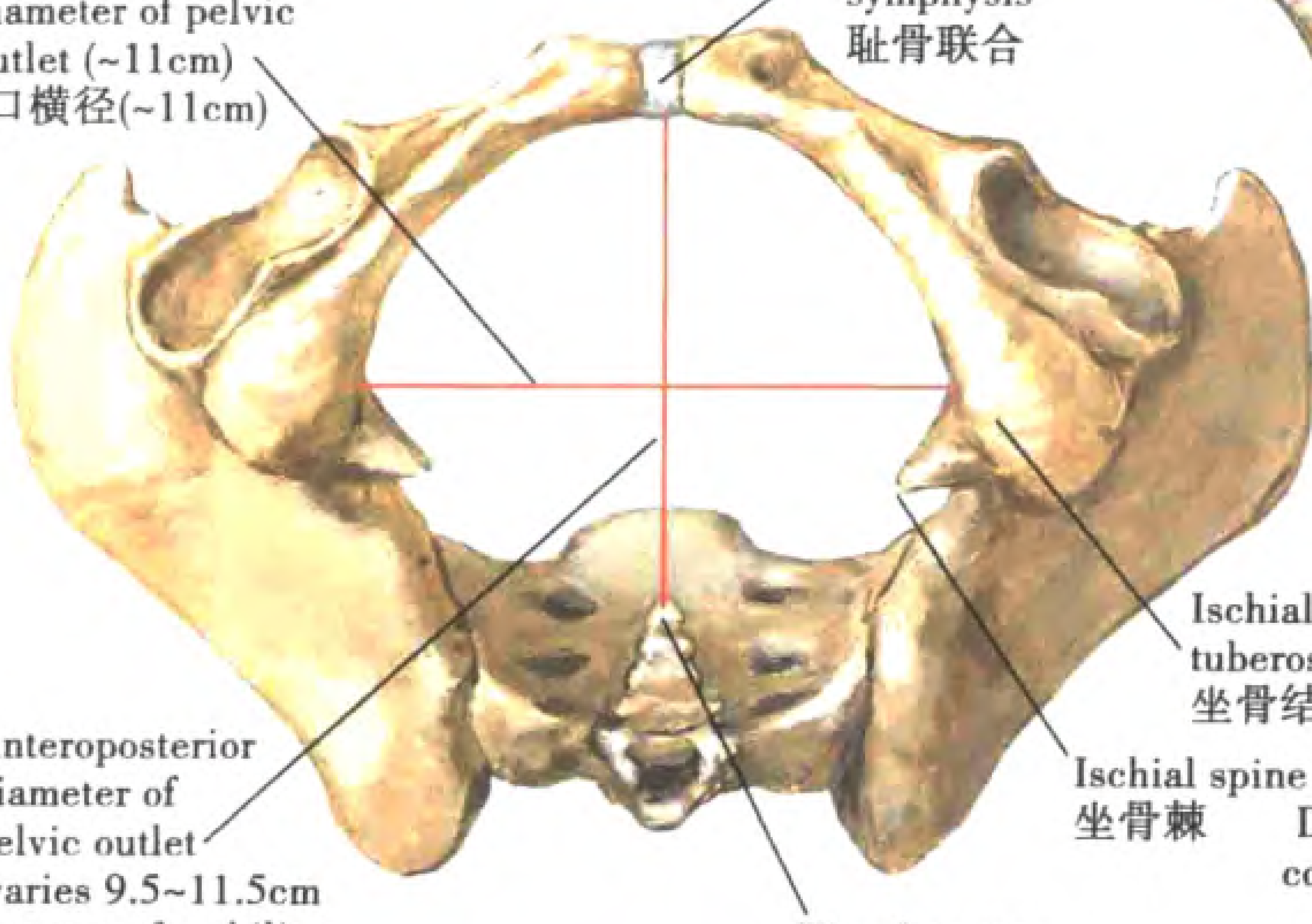
对角径是骨盆入口在临床上唯一可以测量的指标

Diagonal conjugate is only diameter of pelvic inlet that can be measured clinically

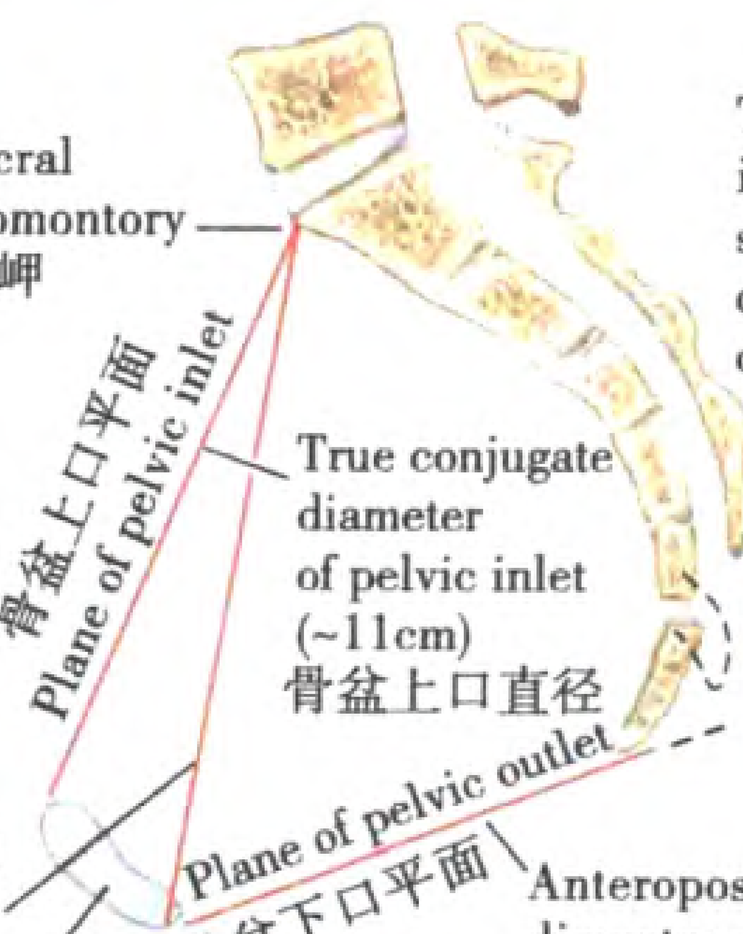
All measurements slightly shorter in relation to body size than in female
Pelvic inlet oriented more antero-posteriorly than in female, where it tends to be transversely oval
Pubic symphysis deeper (taller)
Pubic arch (subpubic angle) narrower
Ischial tuberosities less far apart
Iliac wings less flared



男性所有径线均较相似体形女性短，骨盆入口较女性更为前倾,成横卵圆形。耻骨联合更深(更高),耻骨弓(耻骨下角)更窄。坐骨结节相聚更近,髂骨翼更加聚拢

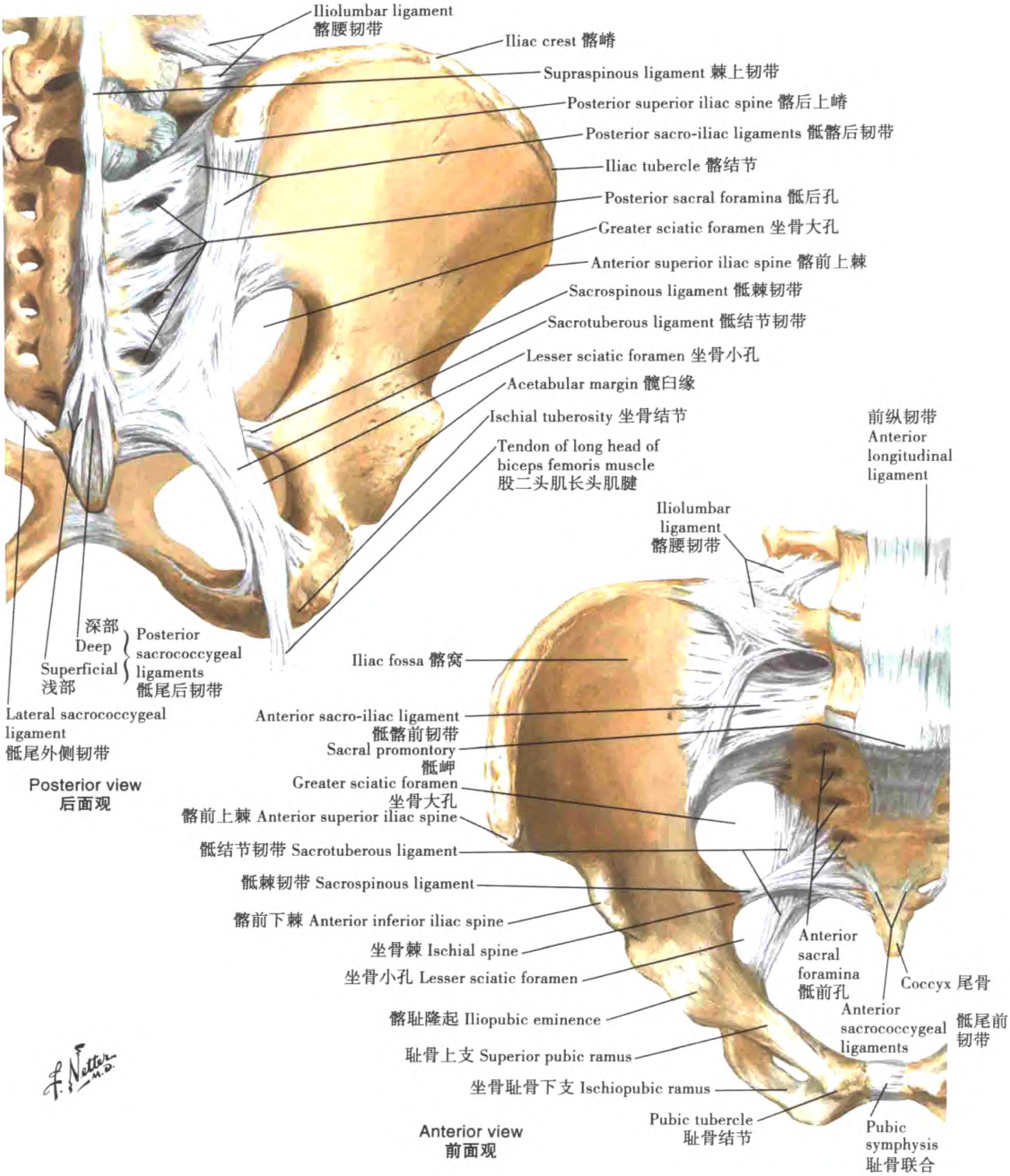


Female pelvis/female pelvic outlet: inferior view
女性骨盆下口：下面观

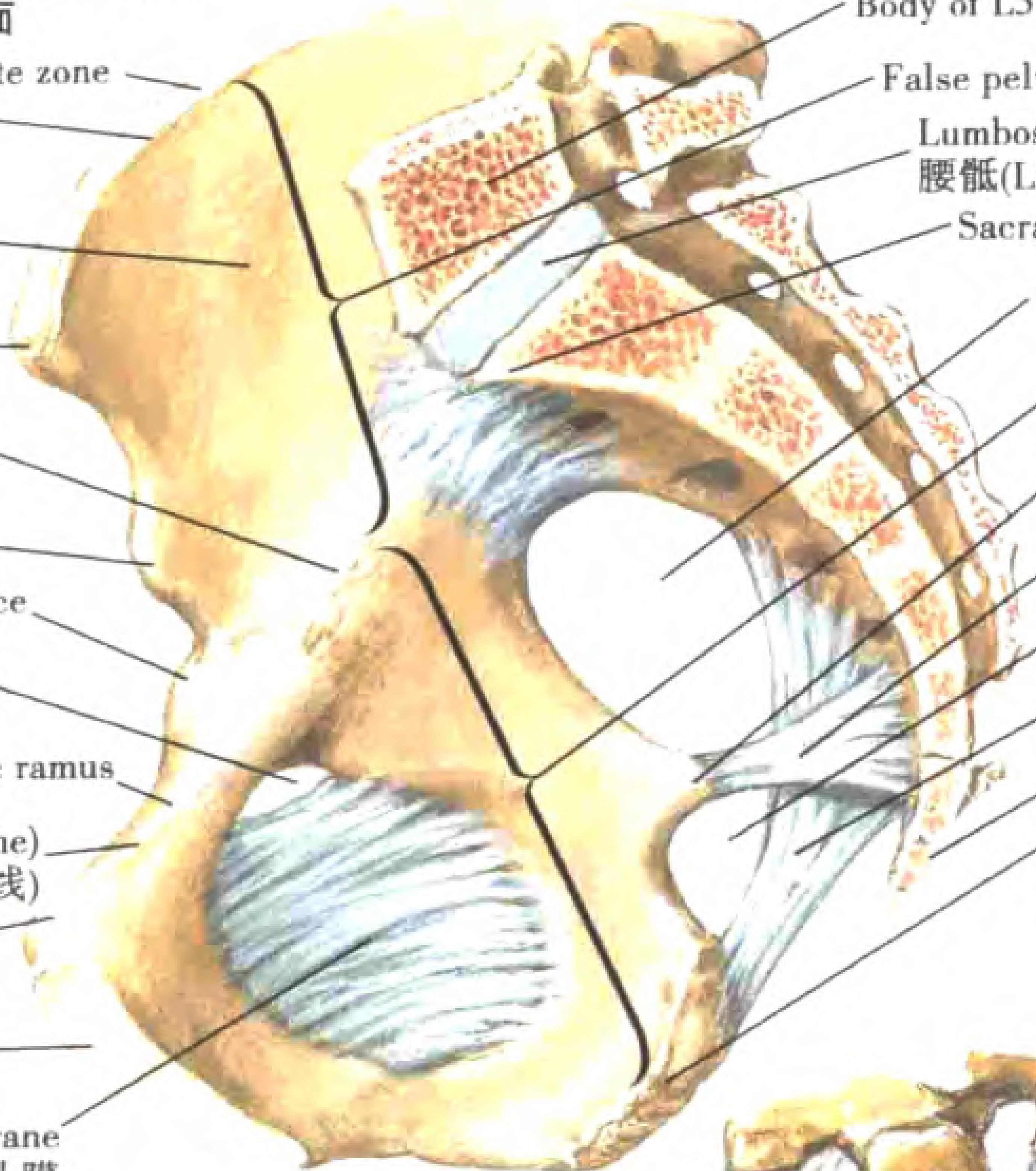


Transverse diameter is the widest distance of pelvic inlet
横径是骨盆入口最宽的径线

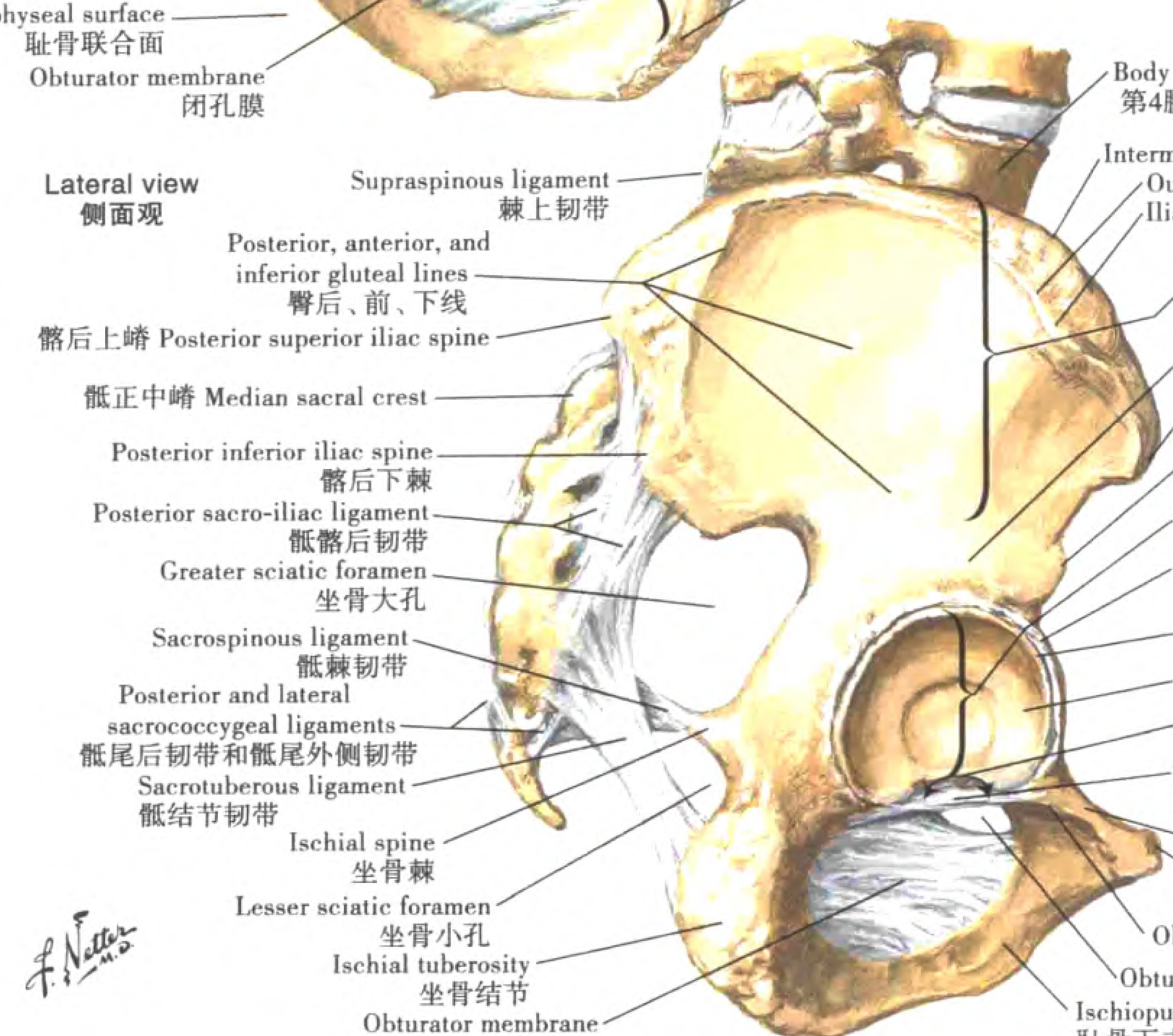
Female: sagittal section
女性：正中矢状面

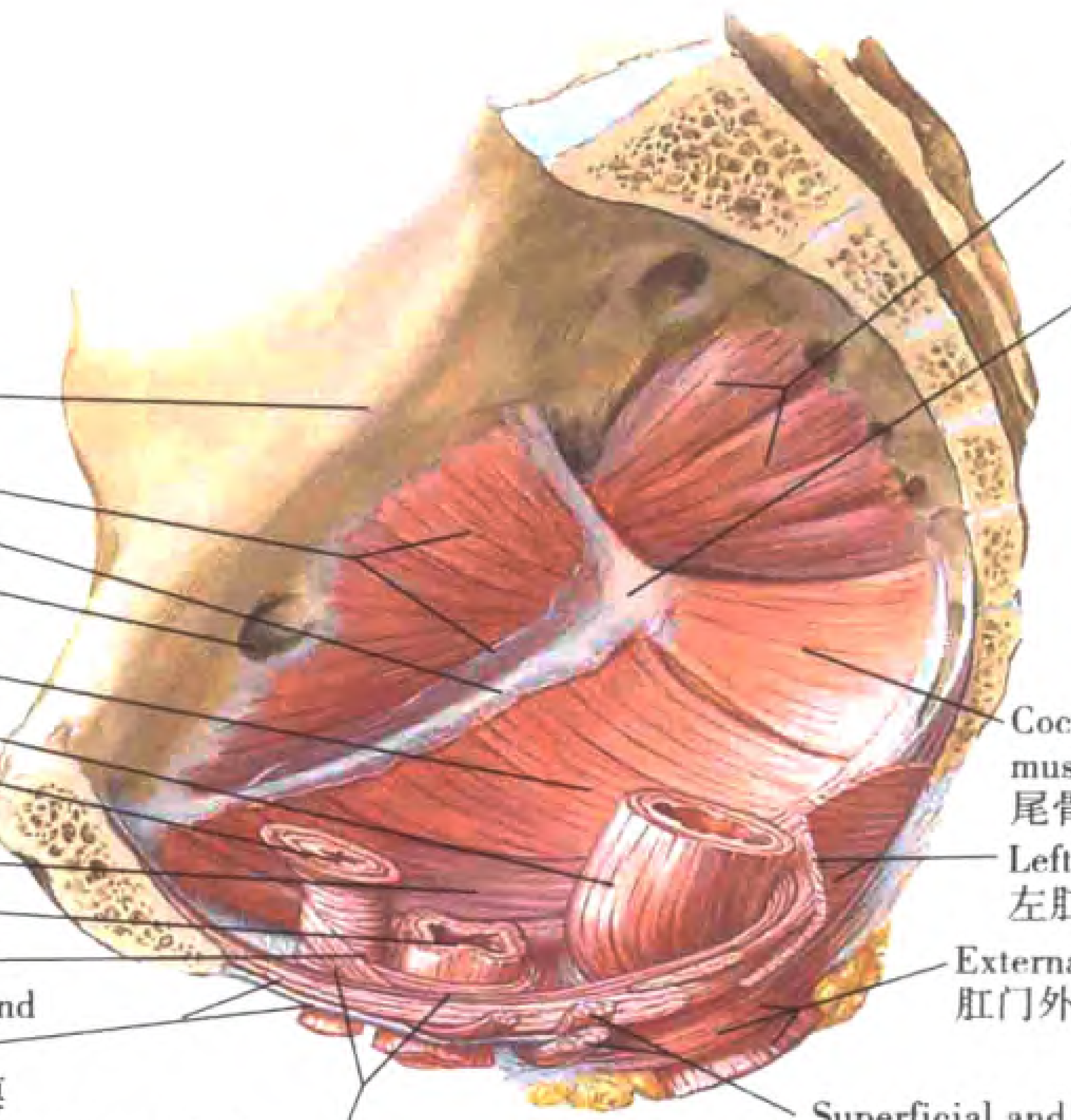

Iliolumbar ligament 髂腰韧带
Iliac crest 髂嵴
Supraspinous ligament 棘上韧带
Posterior superior iliac spine 髂后上嵴
Posterior sacro-iliac ligaments 骶髂后韧带
Iliac tubercle 髂结节
Posterior sacral foramina 骶后孔
Greater sciatic foramen 坐骨大孔
Anterior superior iliac spine 髂前上棘
Sacrospinous ligament 骶棘韧带
Sacrotuberous ligament 骶结节韧带
Lesser sciatic foramen 坐骨小孔
Acetabular margin 髋臼缘
Ischial tuberosity 坐骨结节
Tendon of long head of biceps femoris muscle 股二头肌长头肌腱
深部 Deep
Superficial 浅部
Posterior sacrococcygeal ligaments 骶尾后韧带
Lateral sacrococcygeal ligament 骶尾外侧韧带
Posterior view
后面观
前纵韧带 Anterior longitudinal ligament
Iliolumbar ligament 髂腰韧带
Iliac fossa 髂窝
Anterior sacro-iliac ligament 骶髂前韧带
Sacral promontory 骶岬
Greater sciatic foramen 坐骨大孔
髂前上棘 Anterior superior iliac spine
骶结节韧带 Sacrotuberous ligament
骶棘韧带 Sacrospinous ligament
髂前下棘 Anterior inferior iliac spine
坐骨棘 Ischial spine
坐骨小孔 Lesser sciatic foramen
髂耻隆起 Iliopubic eminence
耻骨上支 Superior pubic ramus
坐骨耻骨下支 Ischiopubic ramus
Pubic tubercle 耻骨结节
Anterior sacral foramina 骶前孔
Coccyx 尾骨
Anterior sacrococcygeal ligaments 骶尾前韧带
Pubic symphysis 耻骨联合
Anterior view
前面观

Median (sagittal) section
正中(矢状)切面



Lateral view
侧面观




内侧面观 Medial view
(髂骨)弓状线 Arcuate line
闭孔内肌和闭孔筋膜(切断) Obturator internus muscle and obturator fascia (cut)
肛提肌腱弓 Tendinous arch of levator ani muscle
Obturator canal 闭膜管
髂尾肌(肛提肌的一部分) Iliococcygeus muscle (part of levator ani muscle)
直肠 Rectum
尿道 Urethra
耻尾肌(肛提肌一部分) Pubococcygeus muscle (part of levator ani muscle)
阴道 Vagina
尿道括约肌 Sphincter urethrae muscle
Left puborectalis muscle and perineal membrane
左耻骨直肠肌和会阴筋膜
Compressor urethrae and urethrovaginal sphincter (portions of sphincter urethrae muscle)
尿道逼尿肌和尿道阴道括约肌(尿道括约肌的一部分)
Piriformis muscle
梨状肌
Ischial spine
坐骨棘
Coccygeus (ischiococcygeus) muscle
尾骨肌(坐骨尾骨肌)
Left levator ani muscle (cut)
左肛提肌(切断)
External anal sphincter muscle
肛门外括约肌
Superficial and deep transverse perineal muscles
会阴浅横肌和会阴深横肌
F. Netter M.D.
C. Machado M.D.

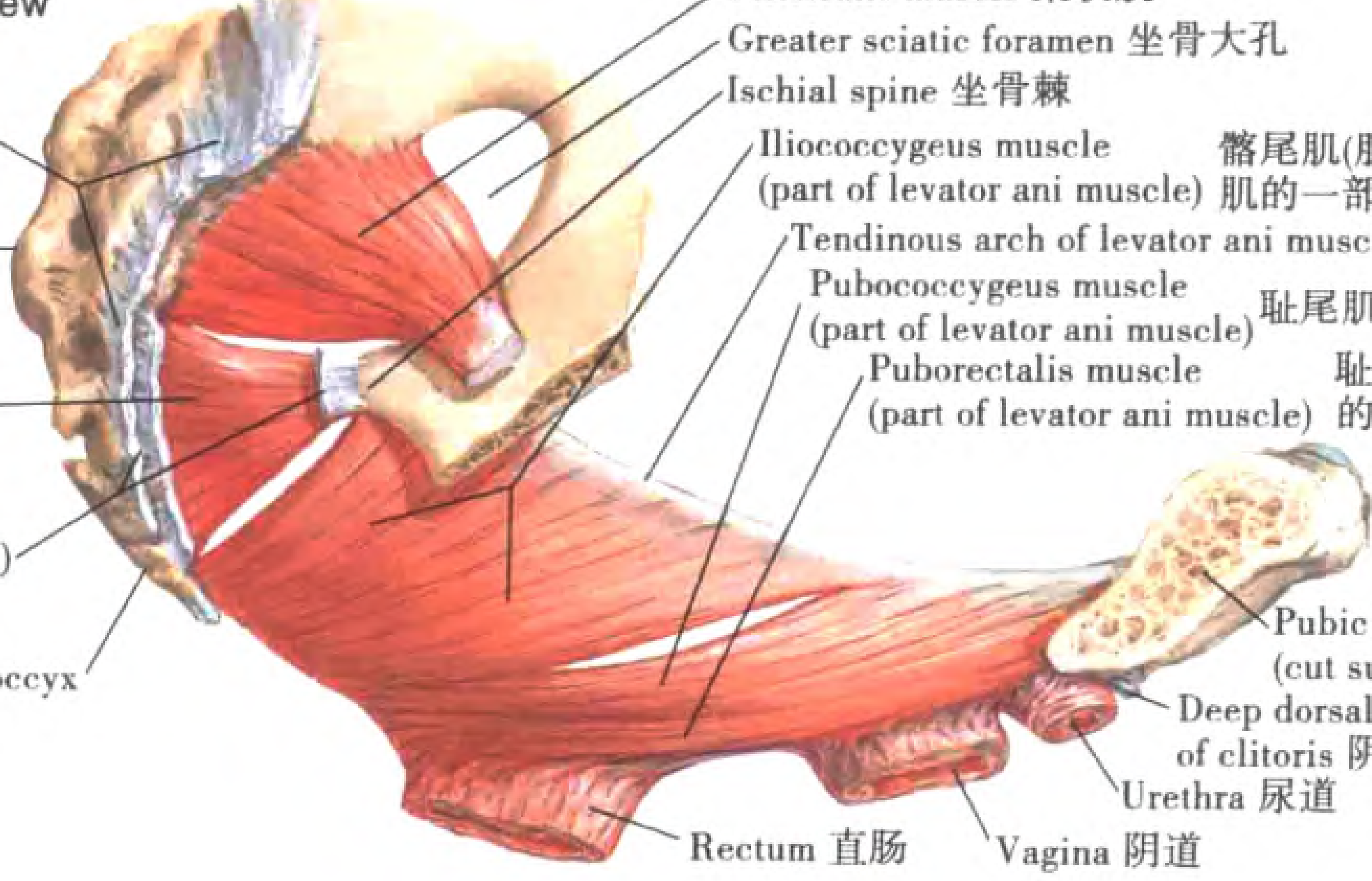
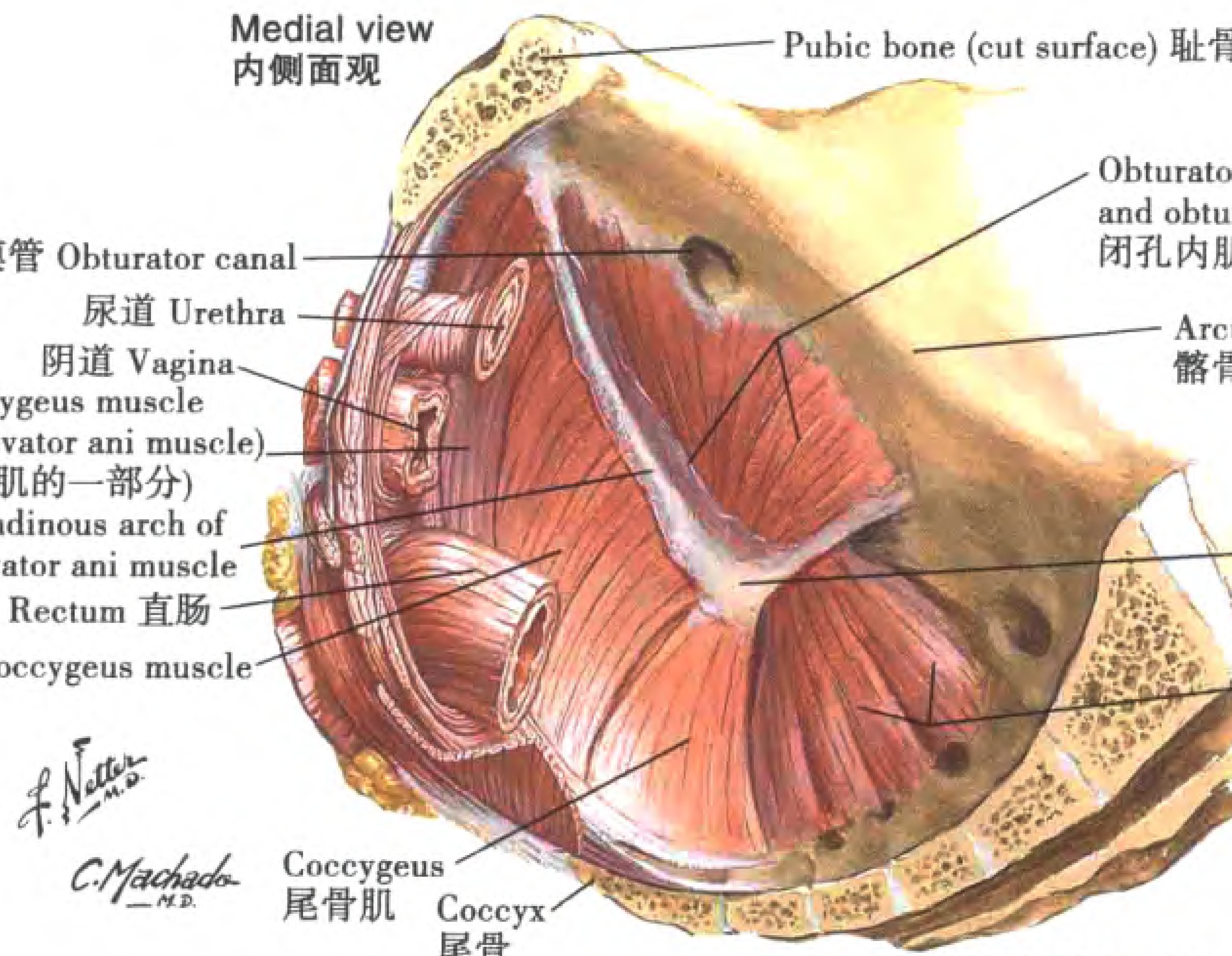
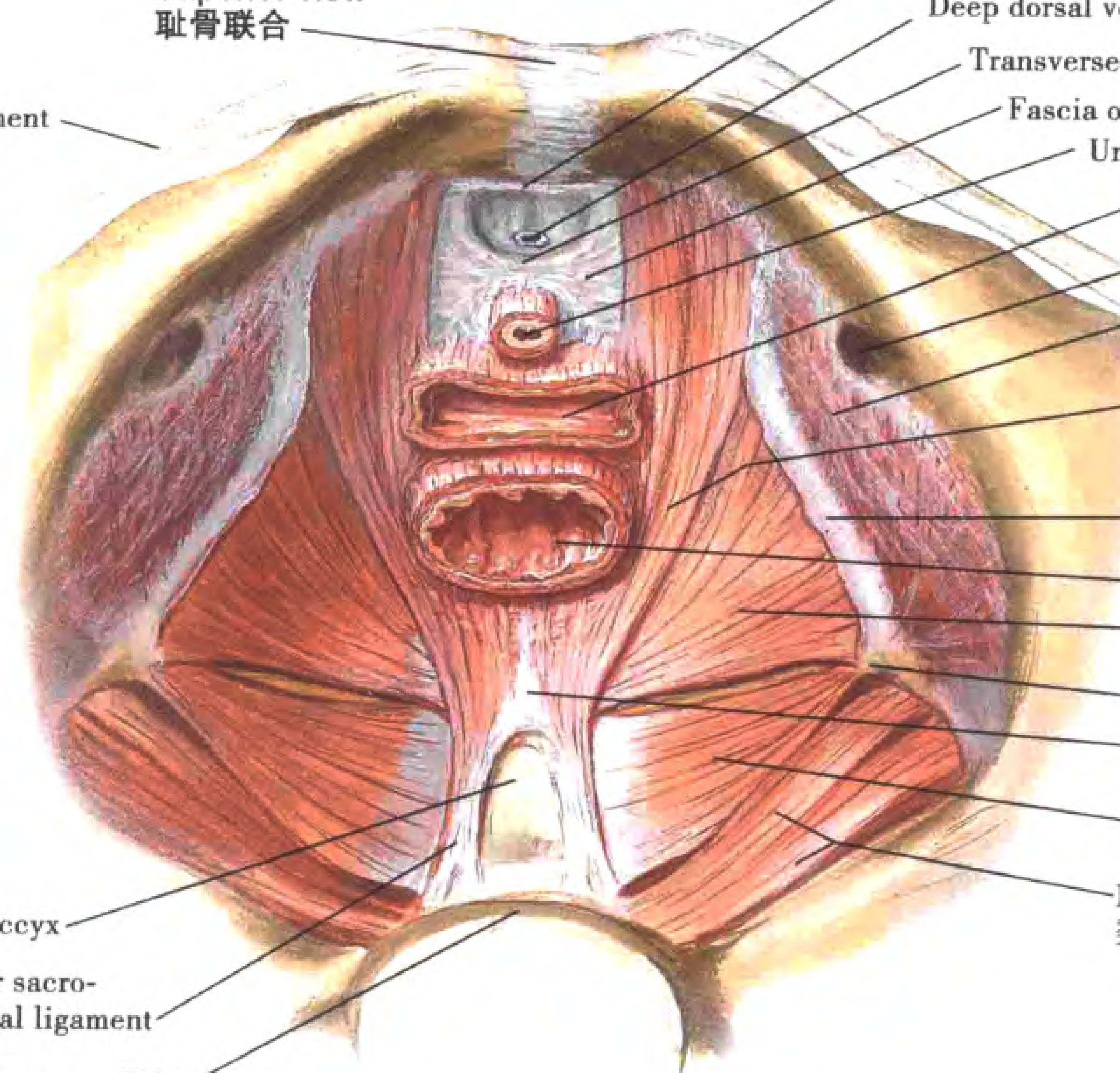

Lateral view
侧面观
Sacrotuberous ligament (cut)
骶结节韧带(切断)
Median sacral crest
骶正中嵴
Coccygeus (ischiococcygeus) muscle
尾骨肌(坐骨尾骨肌)
Sacrospinous ligament (cut)
骶棘韧带(切断)
尾骨 Coccyx
Piriformis muscle 梨状肌
Greater sciatic foramen 坐骨大孔
Ischial spine 坐骨棘
Iliococcygeus muscle (part of levator ani muscle) 髂尾肌(肛提肌的一部分)
Tendinous arch of levator ani muscle 肛提肌腱弓
Pubococcygeus muscle (part of levator ani muscle) 耻尾肌(肛提肌的一部分)
Puborectalis muscle (part of levator ani muscle) 耻骨直肠肌(肛提肌的一部分)
Pubic bone (cut surface) 耻骨(切面)
Deep dorsal vein of clitoris 阴蒂背深静脉
Urethra 尿道
Rectum 直肠
Vagina 阴道

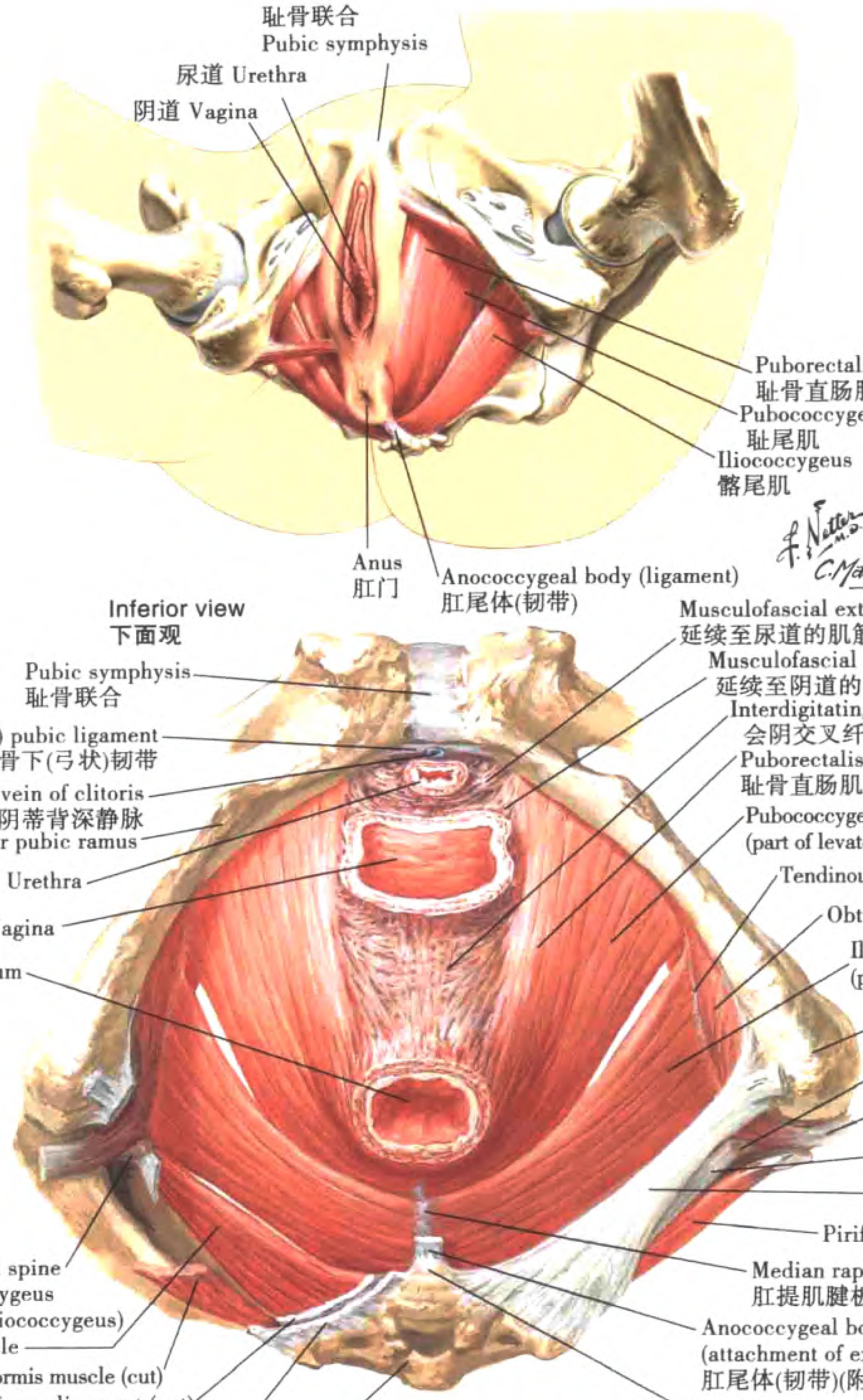
图 335 盆底及内容物

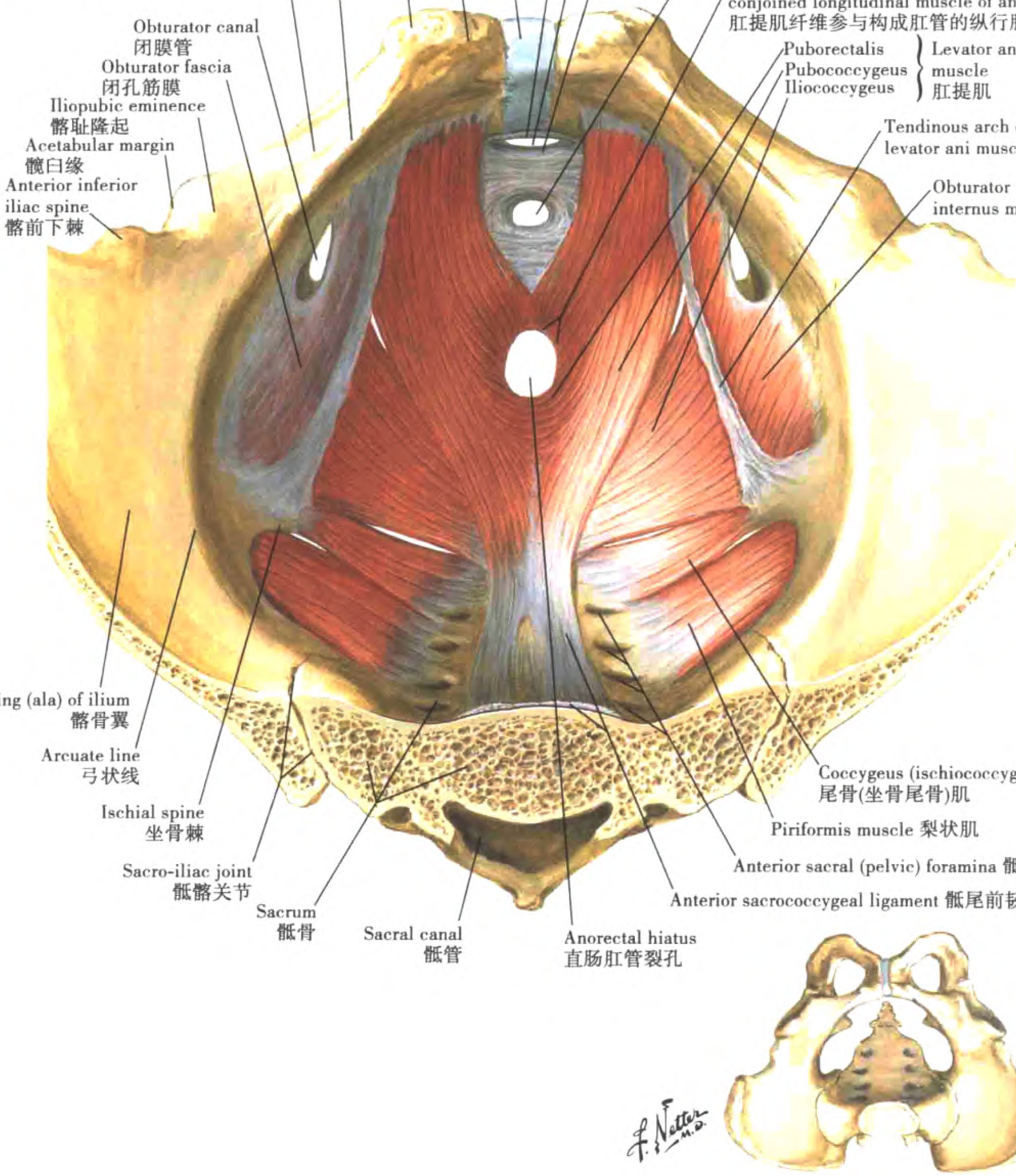


Medial view
内侧面观
Pubic bone (cut surface) 耻骨(切面)
Obturator internus muscle
and obturator fascia (cut)
闭孔内肌和闭孔筋膜(切断)
闭膜管 Obturator canal
尿道 Urethra
阴道 Vagina
Pubococcygeus muscle
(part of levator ani muscle)
耻尾肌 (肛提肌的一部分)
Arcuate line of ilium
髂骨弓状线
Tendinous arch of
肛提肌腱弓 levator ani muscle
Ischial spine
坐骨棘
Rectum 直肠
髂尾肌 Iliococcygeus muscle
Piriformis muscle
梨状肌
Coccygeus
尾骨肌
Coccyx
尾骨

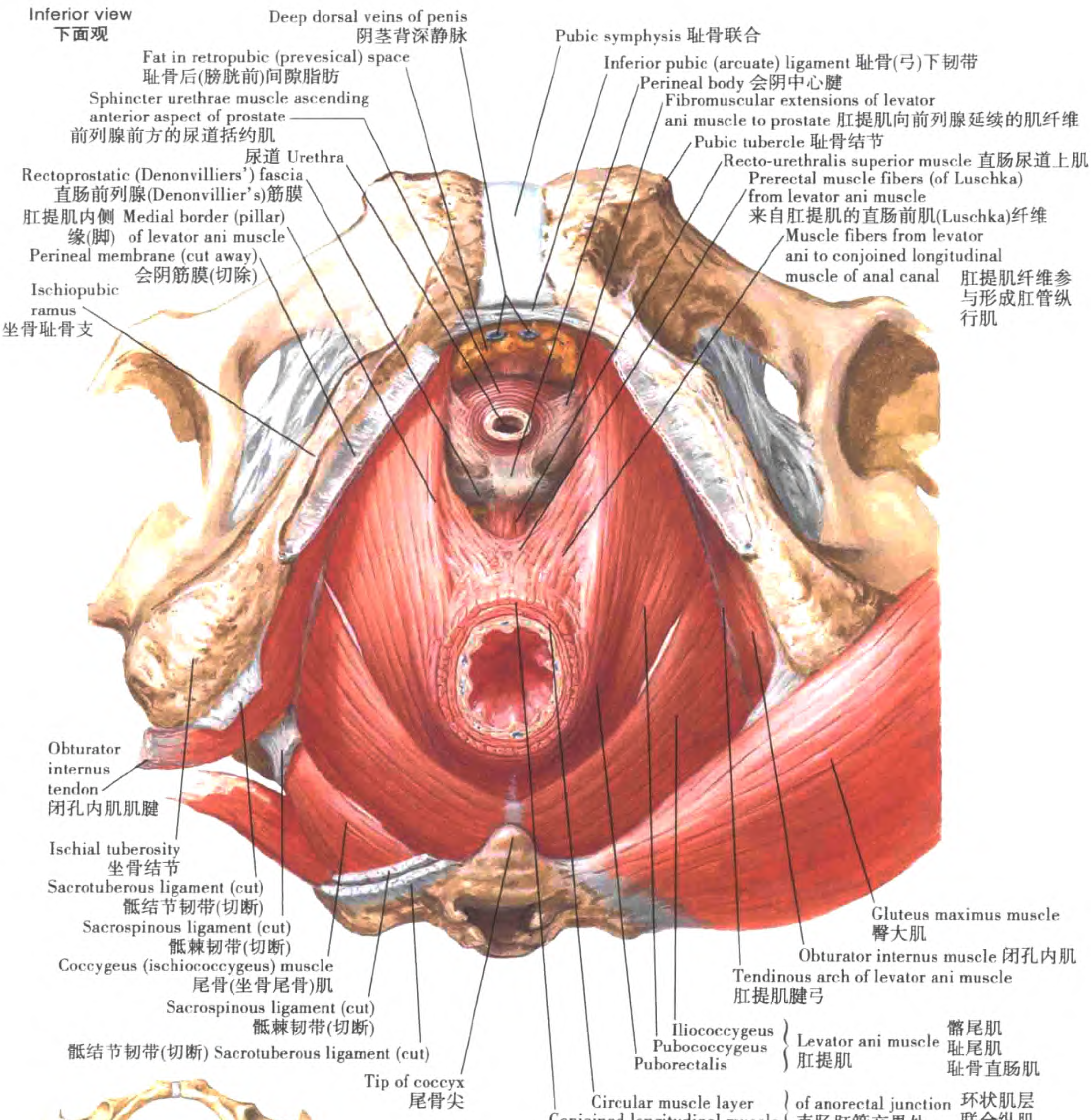


Superior view
耻骨联合
Inferior (arcuate) pubic ligament 耻骨下韧带
Deep dorsal vein of clitoris 阴蒂背深静脉
Transverse perineal ligament 会阴横韧带
Fascia of deep perineal muscles 会阴深肌筋膜
Urethra 尿道
Vagina 阴道
Inguinal ligament
(Poupart's)
腹股沟韧带
(Poupart's
韧带)
Obturator canal 闭膜管
Obturator fascia
(over obturator
internus muscle)
闭孔筋膜(闭
孔内肌上面)
Pubococcygeus muscle
(part of levator ani
muscle) 耻尾肌(肛提肌的一部分)
Tendinous arch of
levator ani muscle
肛提肌腱弓
Rectum 直肠
Iliococcygeus muscle
(part of levator ani muscle)
髂尾肌(肛提肌
的一部分)
Ischial spine 坐骨棘
Levator plate (median raphe)
of levator ani muscle 肛提肌腱板
Coccygeus (ischiococcygeus) muscle
尾骨肌(坐骨尾骨肌)
Piriformis muscle
梨状肌
尾骨 Coccyx
骶尾前 Anterior sacro-
韧带 coccygeal ligament
Sacral promontory 骶岬


耻骨联合
Pubic symphysis
尿道 Urethra
阴道 Vagina
Puborectalis
耻骨直肠肌
Pubococcygeus
耻尾肌
Iliococcygeus
髂尾肌
Levator
ani muscle
肛提肌
Anus
肛门
Anococcygeal body (ligament)
肛尾体(韧带)
Inferior view
下面观
Pubic symphysis
耻骨联合
Inferior (arcuate) pubic ligament
耻骨下(弓状)韧带
Deep dorsal vein of clitoris
阴蒂背深静脉
耻骨下支 Inferior pubic ramus
尿道 Urethra
阴道 Vagina
直肠 Rectum
坐骨棘 Ischial spine
Coccygeus
尾骨肌(坐 (ischiococcygeus)
骨尾骨肌) muscle
梨状肌(切断) Piriformis muscle (cut)
骶棘韧带 Sacrospinous ligament (cut)
(切断)
Sacrotuberous ligament (cut)
骶结节韧带(切断)
Sacrum
骶骨
Musculofascial extensions to urethra
延续至尿道的肌筋膜
Musculofascial extensions to vagina
延续至阴道的肌筋膜
Interdigitating fibers of perineum
会阴交叉纤维
Puborectalis muscle (part of levator ani muscle)
耻骨直肠肌(肛提肌的一部分)
Pubococcygeus muscle
(part of levator ani muscle) 耻尾肌(肛提肌的一部分)
Tendinous arch of levator ani muscle 肛提肌腱弓
Obturator internus muscle 闭孔内肌
Iliococcygeus muscle
(part of levator ani muscle)
髂尾肌(肛提
肌的一部分)
Ischial tuberosity 坐骨结节
Ischial spine 坐骨棘
Obturator internus tendon
闭孔内肌肌腱
Sacrospinous ligament 骶棘韧带
Sacrotuberous ligament 骶结节韧带
Piriformis muscle 梨状肌
Median raphe of levator ani muscle
肛提肌腱板
Anococcygeal body (ligament)
(attachment of external anal sphincter muscle)
肛尾体(韧带)(附着于肛门外括约肌)
Tip of coccyx
尾骨尖

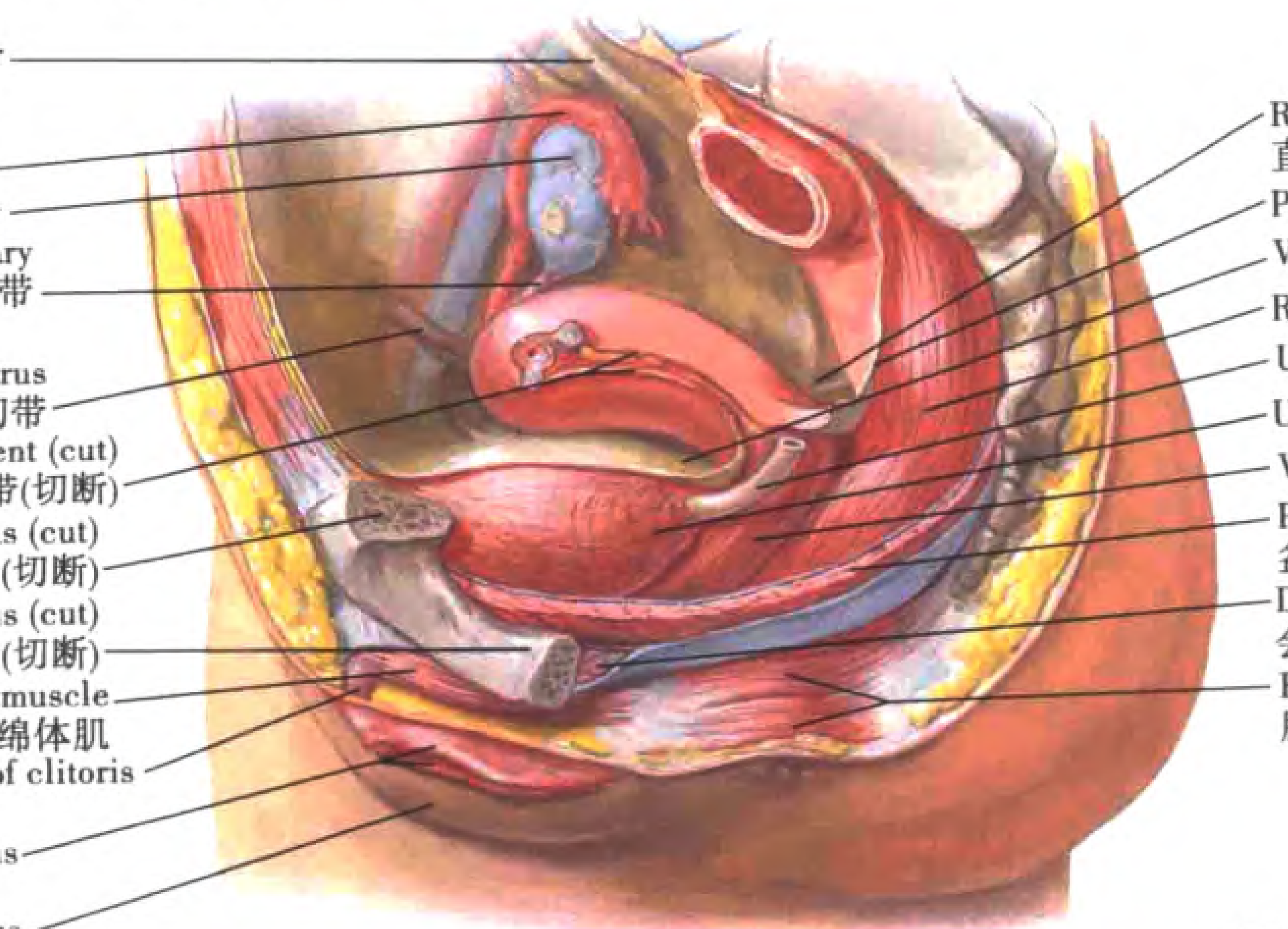

Superior view
(viscera removed)
上面观
(内脏已移除)
Pubic symphysis
耻骨联合
耻骨嵴 Pubic crest
Pubic tubercle 耻骨结节
耻骨梳 Pecten pubis
耻骨上支 Superior ramus of pubis
Obturator canal
闭膜管
Obturator fascia
闭孔筋膜
Iliopubic eminence
髂耻隆起
Acetabular margin
髋臼缘
Anterior inferior iliac spine
髂前下棘
Inferior (arcuate) pubic ligament 耻骨下(弓状)韧带
Hiatus for deep dorsal vein of penis 阴茎背深静脉裂孔
Transverse perineal ligament 会阴横韧带(会阴膜前方增厚)
(anterior thickening of perineal membrane)
Hiatus for urethra 尿道裂孔
Muscle fibers from levator ani to conjoined longitudinal muscle of anal canal
肛提肌纤维参与构成肛管的纵行肌
Puborectalis 耻骨直肠肌
Pubococcygeus 耻尾肌
Iliococcygeus 髂尾肌
Levator ani muscle
肛提肌
Tendinous arch of levator ani muscle 肛提肌腱弓
Obturator internus muscle 闭孔内肌
Wing (ala) of ilium
髂骨翼
Arcuate line
弓状线
Ischial spine
坐骨棘
Sacro-iliac joint
骶髂关节
Sacrum
骶骨
Sacral canal
骶管
Anorectal hiatus
直肠肛管裂孔
Coccygeus (ischiococcygeus) muscle
尾骨(坐骨尾骨)肌
Piriformis muscle 梨状肌
Anterior sacral (pelvic) foramina 骶前孔
Anterior sacrococcygeal ligament 骶尾前韧带
F. Netter M.D.



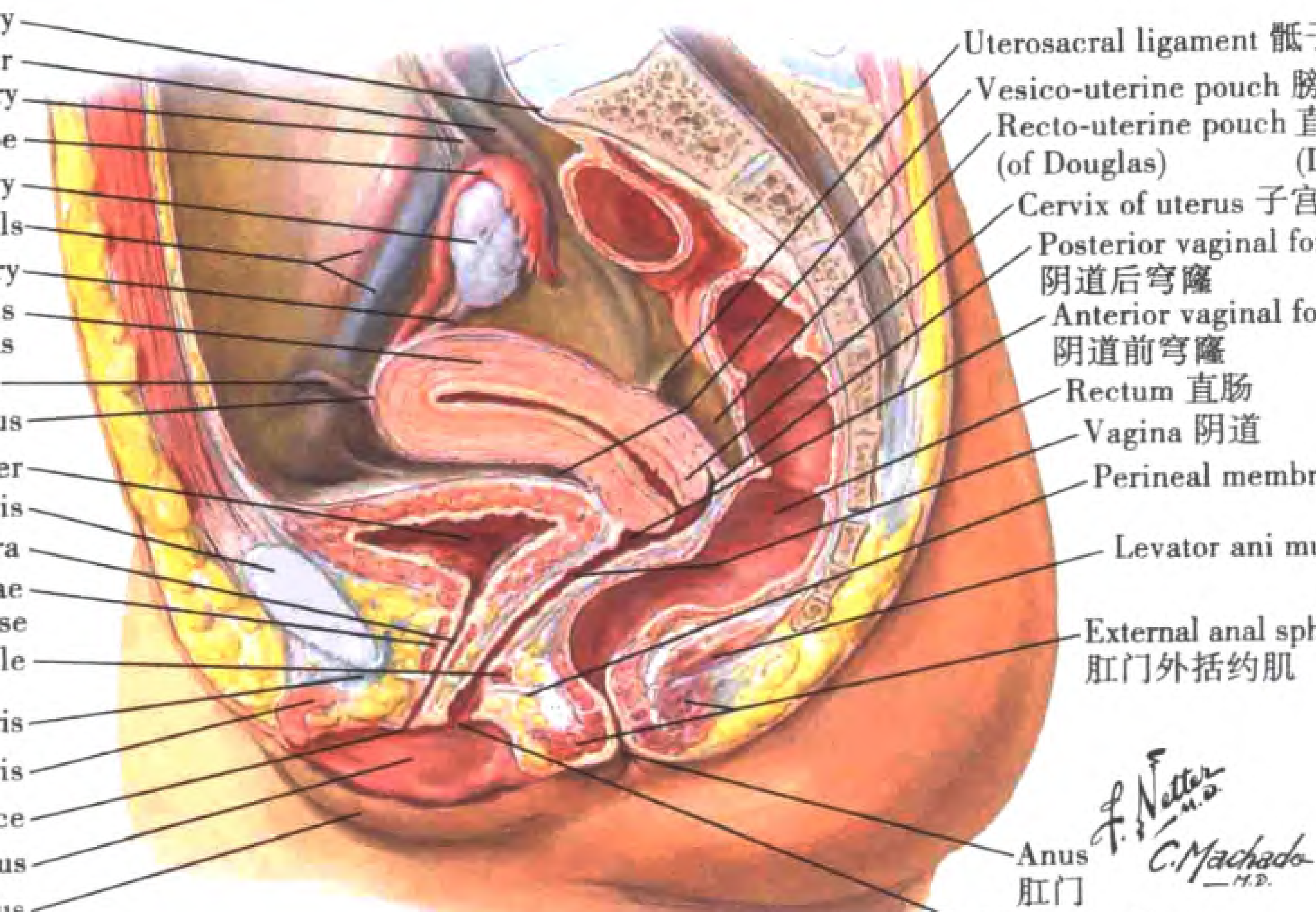

Inferior view
下面观
Deep dorsal veins of penis
阴茎背深静脉
Pubic symphysis 耻骨联合
Fat in retropubic (prevesical) space
耻骨后(膀胱前)间隙脂肪
Inferior pubic (arcuate) ligament 耻骨(弓)下韧带
Perineal body 会阴中心腱
Sphincter urethrae muscle ascending anterior aspect of prostate
前列腺前方的尿道括约肌
Fibromuscular extensions of levator ani muscle to prostate 肛提肌向前列腺延续的肌纤维
尿道 Urethra
Pubic tubercle 耻骨结节
Rectoprostatic (Denonvilliers') fascia
直肠前列腺(Denonvillier's)筋膜
Recto-urethralis superior muscle 直肠尿道上肌
Prerectal muscle fibers (of Luschka) from levator ani muscle
来自肛提肌的直肠前肌(Luschka)纤维
肛提肌内侧缘(脚) Medial border (pillar) of levator ani muscle
Muscle fibers from levator ani to conjoined longitudinal muscle of anal canal
肛提肌纤维参与形成肛管纵行肌
Perineal membrane (cut away)
会阴筋膜(切除)
Ischiopubic ramus
坐骨耻骨支
Obturator internus tendon
闭孔内肌肌腱
Ischial tuberosity
坐骨结节
Sacrotuberous ligament (cut)
骶结节韧带(切断)
Sacrospinous ligament (cut)
骶棘韧带(切断)
Coccygeus (ischiococcygeus) muscle
尾骨(坐骨尾骨)肌
Sacrospinous ligament (cut)
骶棘韧带(切断)
骶结节韧带(切断) Sacrotuberous ligament (cut)
Tip of coccyx
尾骨尖
Gluteus maximus muscle
臀大肌
Obturator internus muscle 闭孔内肌
Tendinous arch of levator ani muscle
肛提肌腱弓
Iliococcygeus 髂尾肌
Pubococcygeus 耻尾肌
Puborectalis 耻骨直肠肌
Levator ani muscle 肛提肌
Circular muscle layer 环状肌层
Conjoined longitudinal muscle 联合纵肌
of anorectal junction 直肠肛管交界处
F. Netter M.D.
C. Machado M.D.



旁正中(矢状)断面
Paramedian (sagittal) dissection



正中(矢状)断面
Median (sagittal) section



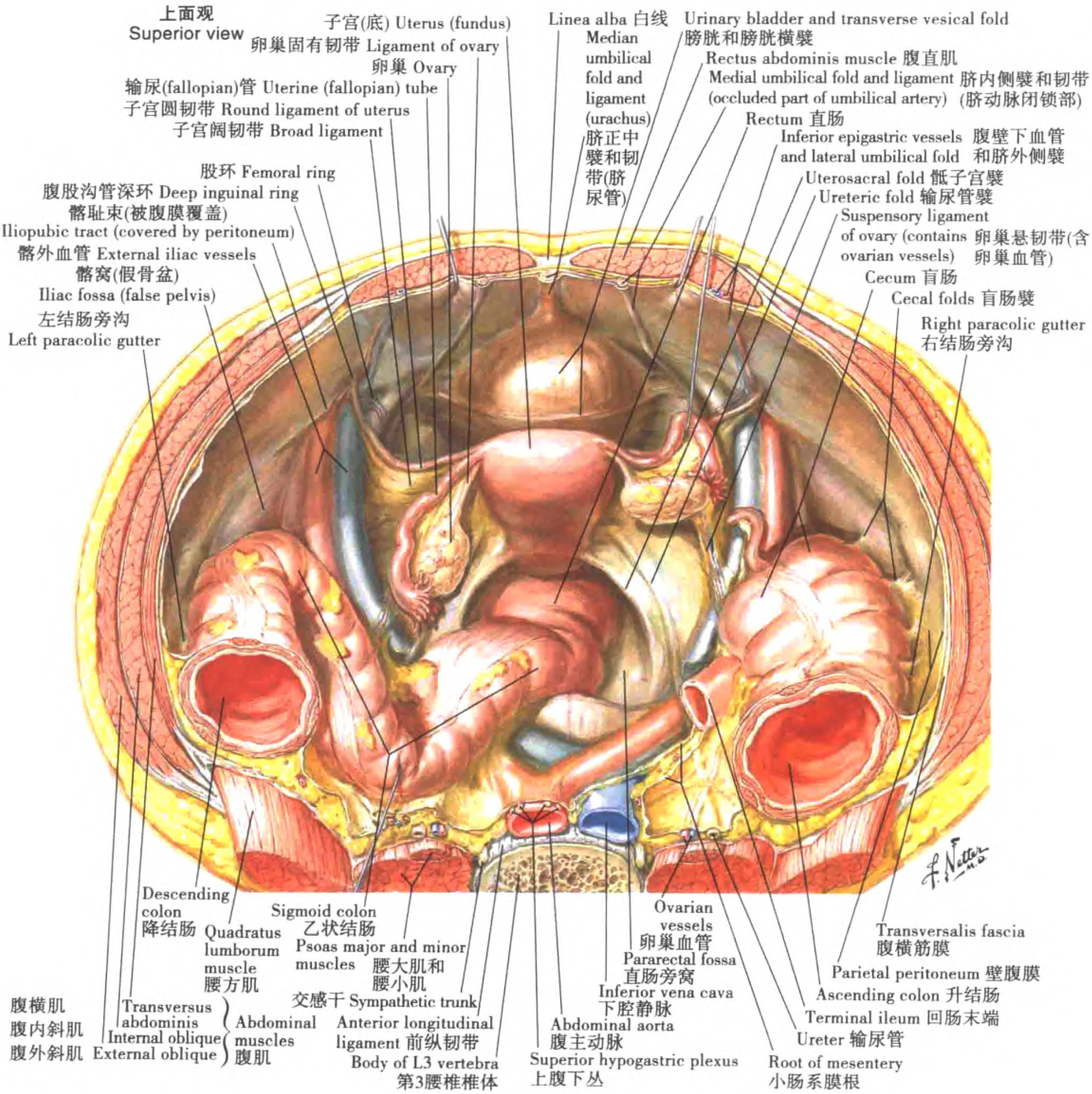
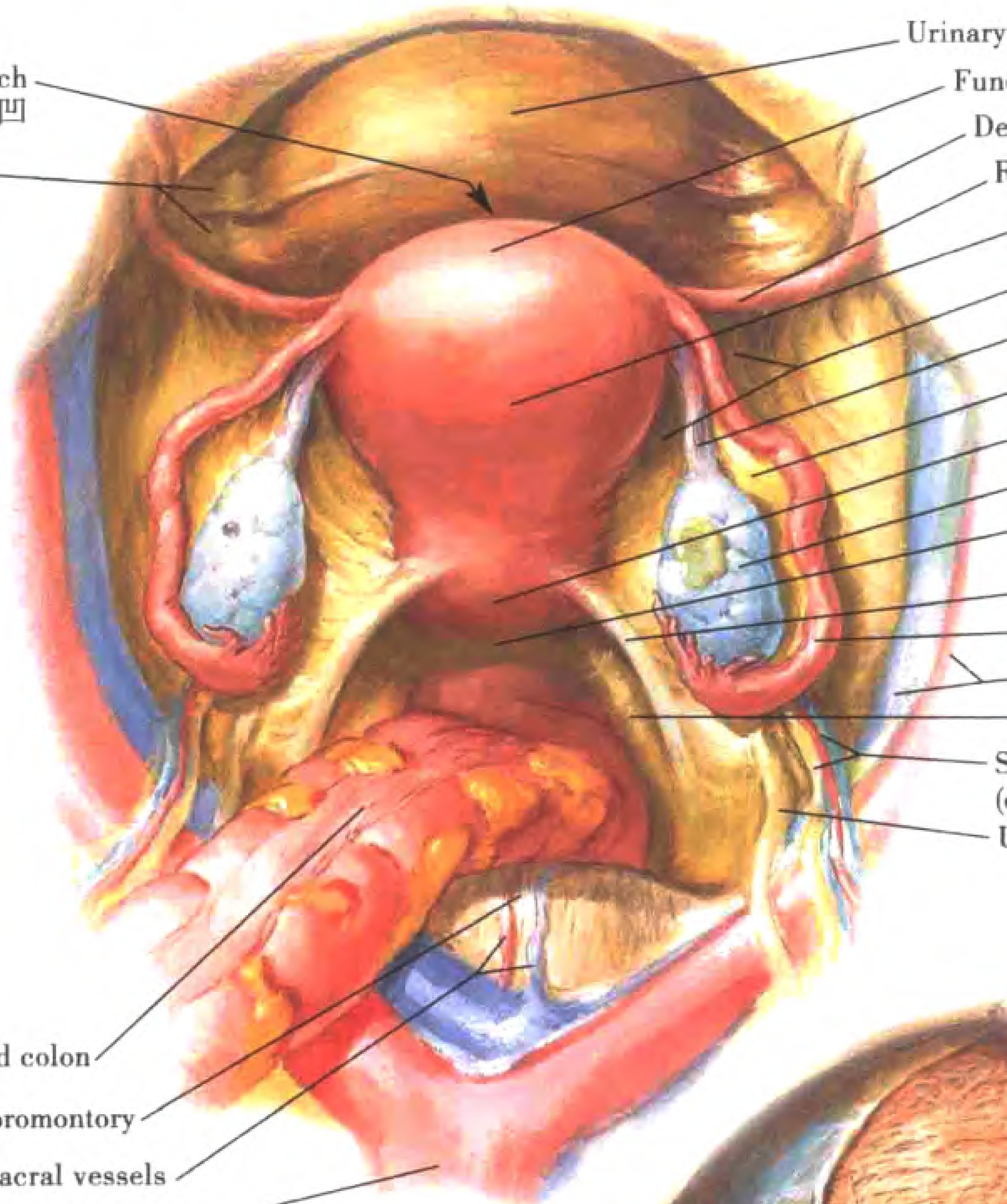
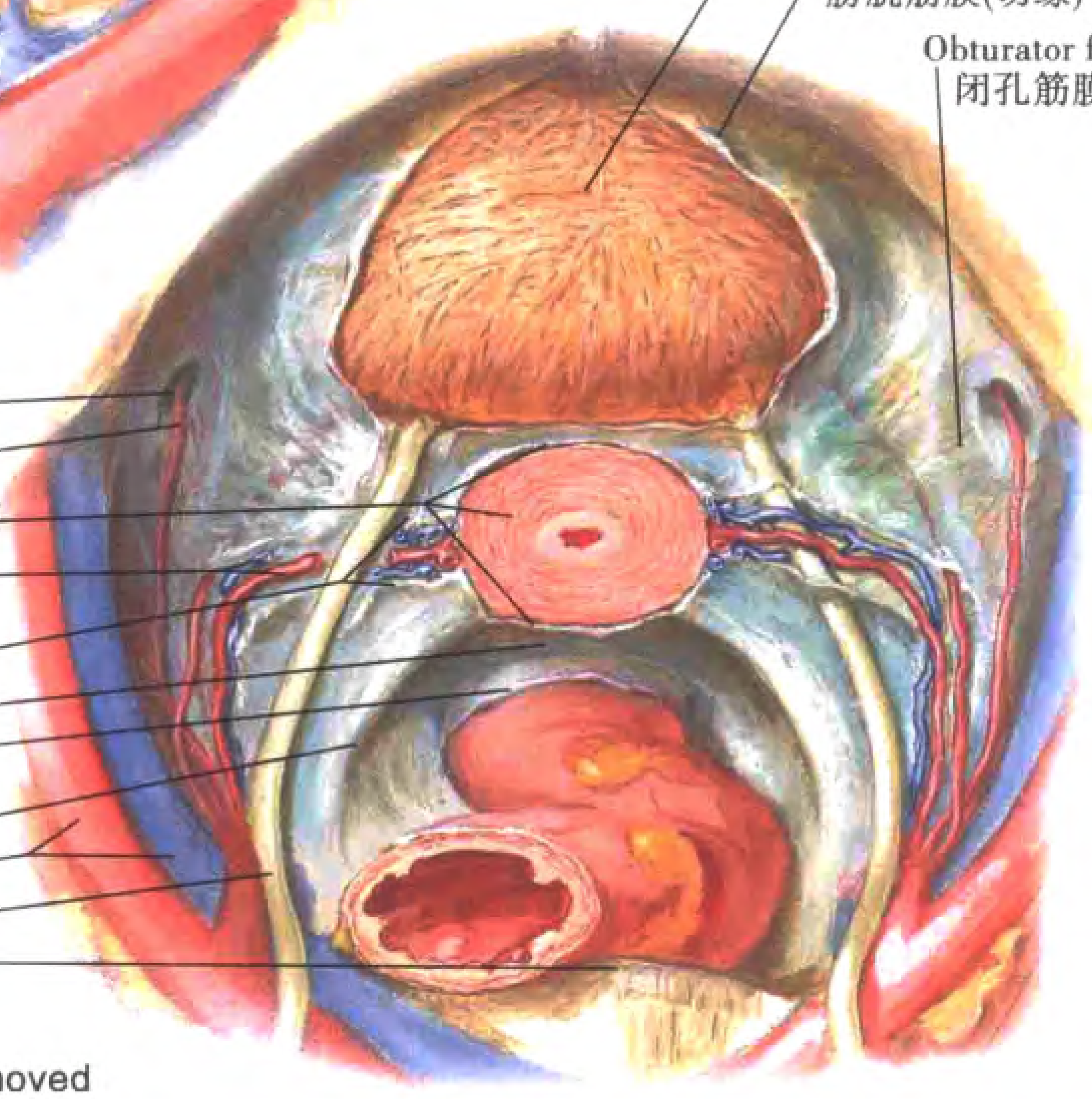

上面观
Superior view
子宫(底) Uterus (fundus)
卵巢固有韧带 Ligament of ovary
卵巢 Ovary
输尿(fallopian)管 Uterine (fallopian) tube
子宫圆韧带 Round ligament of uterus
子宫阔韧带 Broad ligament
股环 Femoral ring
腹股沟管深环 Deep inguinal ring
髂耻束(被腹膜覆盖)
Iliopubic tract (covered by peritoneum)
髂外血管 External iliac vessels
髂窝(假骨盆)
Iliac fossa (false pelvis)
左结肠旁沟
Left paracolic gutter
Linea alba 白线
Median umbilical fold and ligament (urachus)
脐正中襞和韧带(脐尿管)
Urinary bladder and transverse vesical fold
膀胱和膀胱横襞
Rectus abdominis muscle 腹直肌
Medial umbilical fold and ligament 脐内侧襞和韧带
(occluded part of umbilical artery) (脐动脉闭锁部)
Rectum 直肠
Inferior epigastric vessels 腹壁下血管
and lateral umbilical fold 和脐外侧襞
Uterosacral fold 骶子宫襞
Ureteric fold 输尿管襞
Suspensory ligament of ovary (contains ovarian vessels)
卵巢悬韧带(含卵巢血管)
Cecum 盲肠
Cecal folds 盲肠襞
Right paracolic gutter
右结肠旁沟
Descending colon
降结肠
Quadratus lumborum muscle
腰方肌
Sigmoid colon
乙状结肠
Psoas major and minor muscles
腰大肌和腰小肌
交感干 Sympathetic trunk
腹横肌
腹内斜肌
腹外斜肌
Transversus abdominis
Internal oblique
External oblique
Abdominal muscles
腹肌
Anterior longitudinal ligament 前纵韧带
Body of L3 vertebra
第3腰椎椎体
Ovarian vessels
卵巢血管
Pararectal fossa
直肠旁窝
Inferior vena cava
下腔静脉
Abdominal aorta
腹主动脉
Superior hypogastric plexus
上腹下丛
Transversalis fascia
腹横筋膜
Parietal peritoneum 壁腹膜
Ascending colon 升结肠
Terminal ileum 回肠末端
Ureter 输尿管
Root of mesentery
小肠系膜根
F. Netter M.D.

图 341 盆底及内容物

上面观(腹膜完整)
Superior view with peritoneum intact





Superior view with peritoneum and uterus removed
上面观(移除腹膜和子宫)

Female: superior view (peritoneum and loose areolar tissue removed)
女性：上面观(移除腹膜及疏松结缔组织)

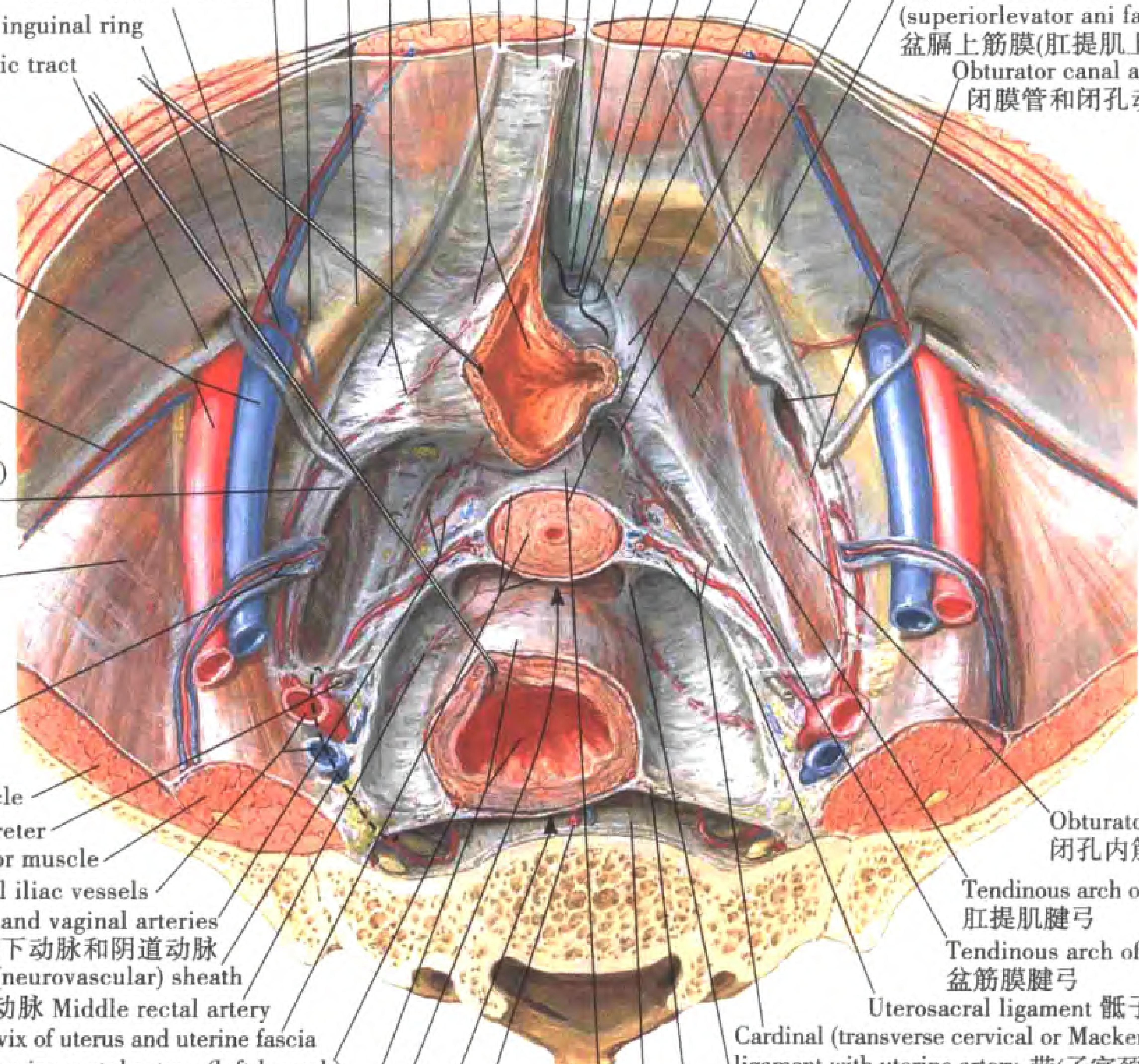
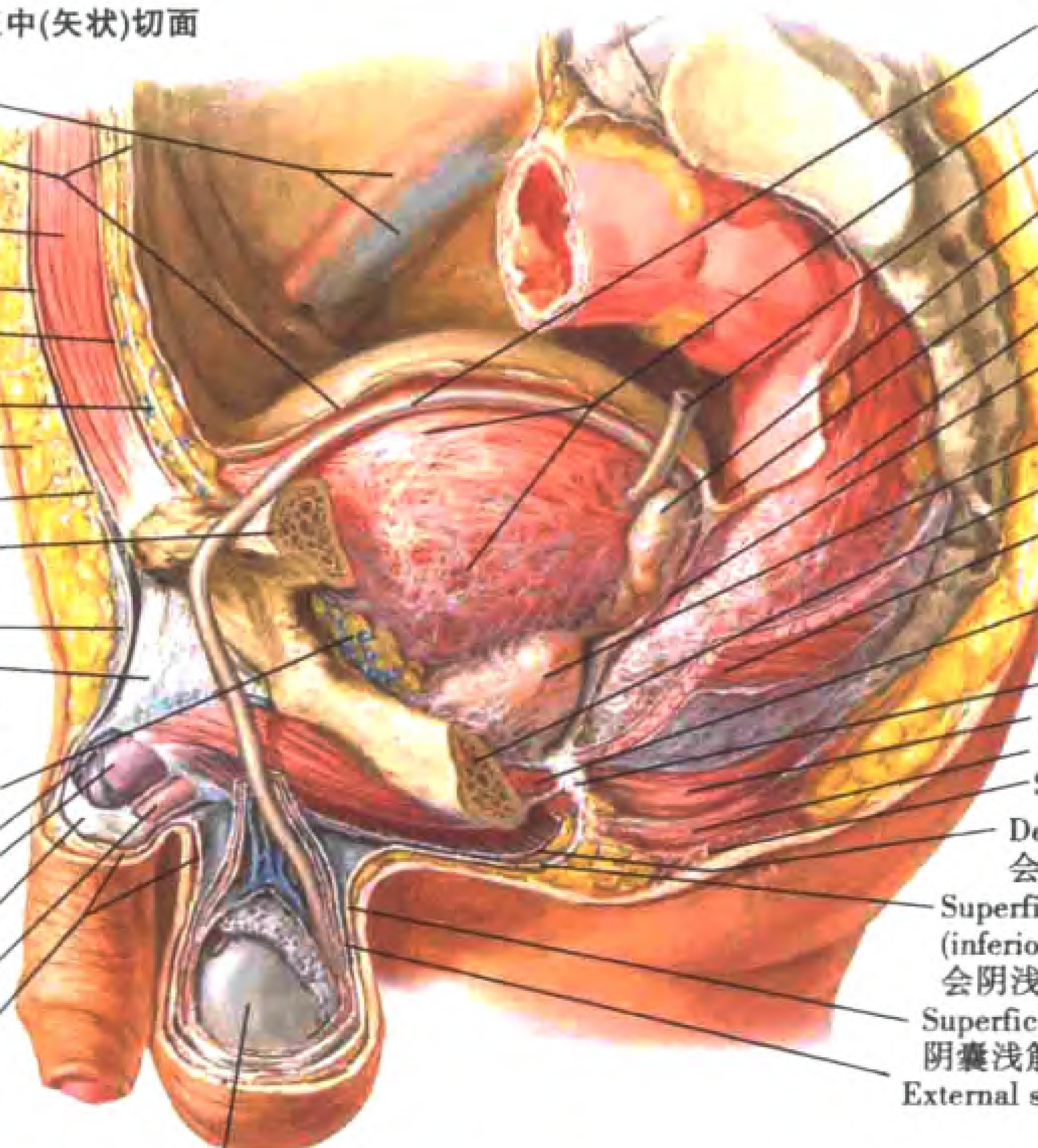
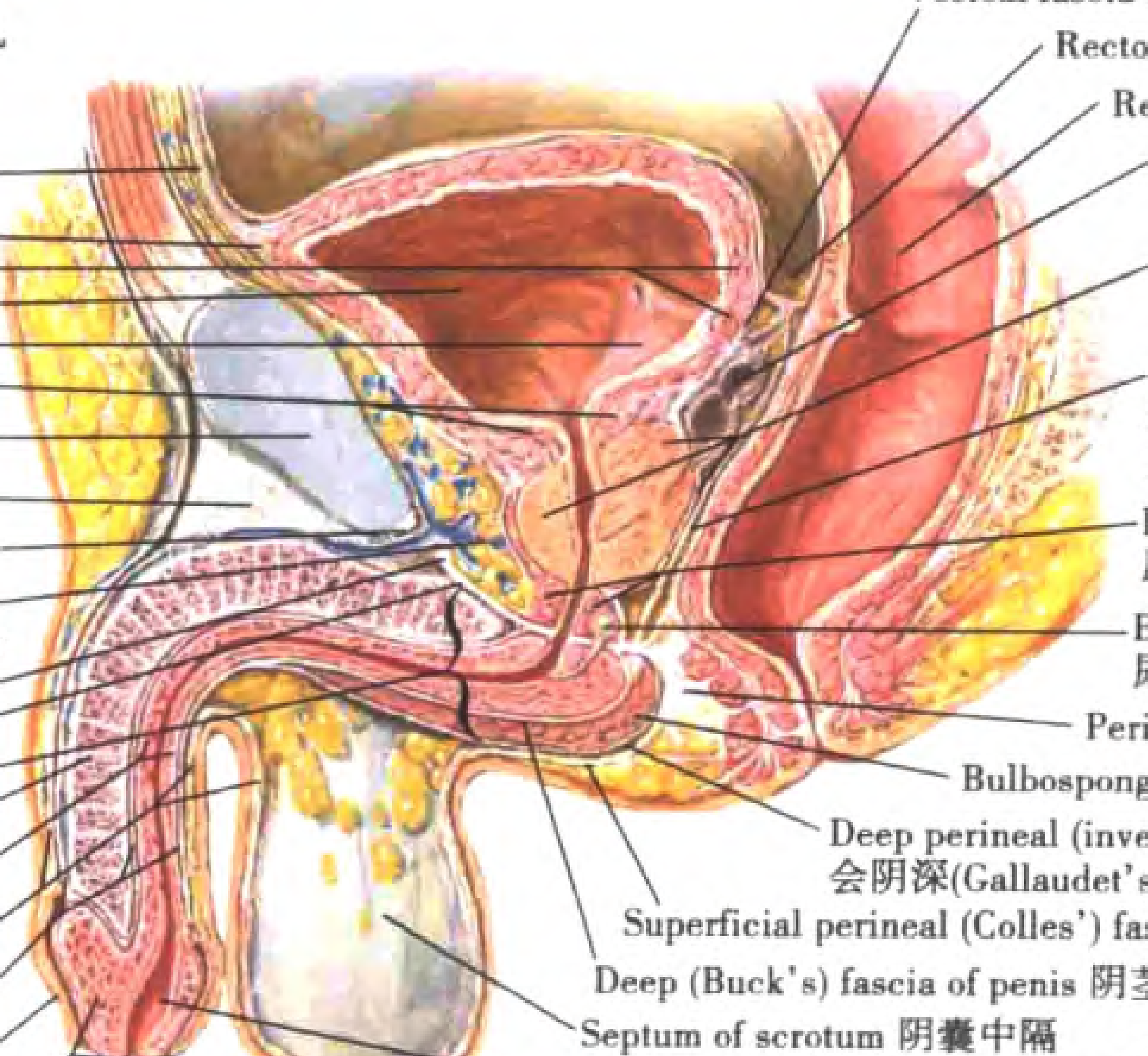


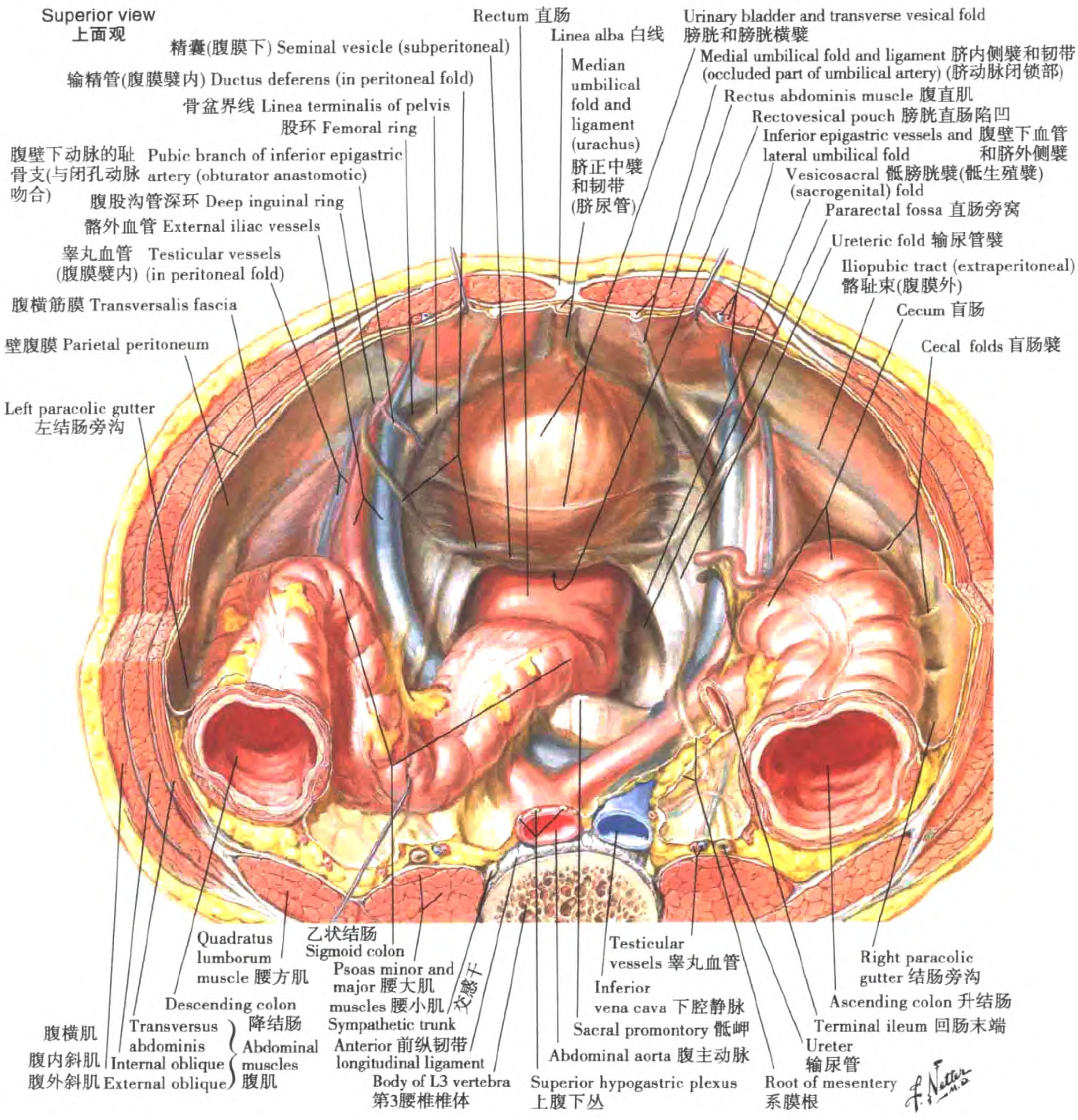
图 343　盆底及内容物



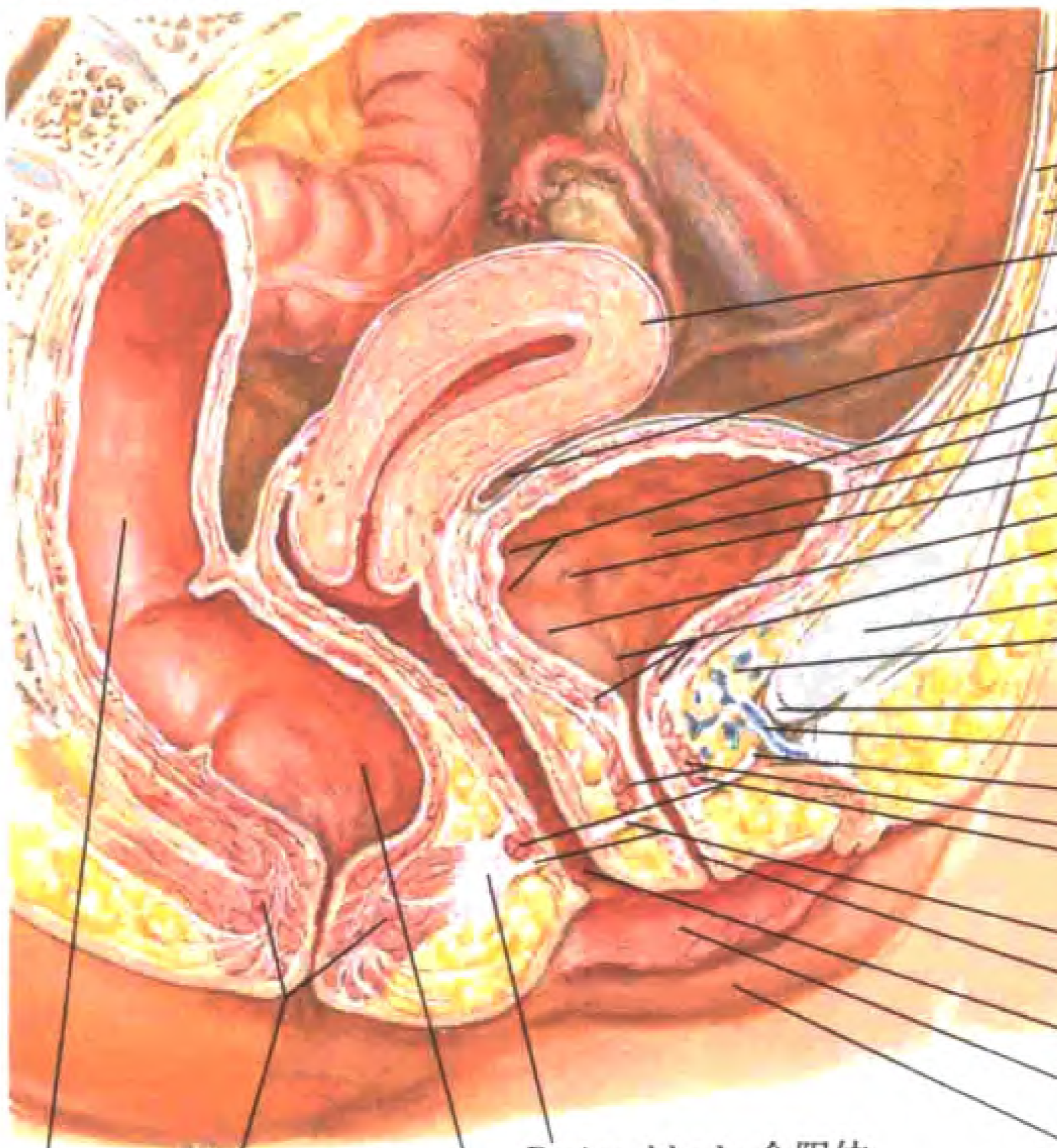
Paramedian (sagittal) dissection 旁正中(矢状)切面
髂外血管 External iliac vessels
腹膜 Parietal peritoneum
腹直肌 Rectus abdominis muscle
Anterior layer of rectus sheath
腹直肌鞘前层
腹横筋膜 Transversalis fascia
脐膀胱前筋膜 Umbilical prevesical fascia
脂肪层 Sub-cutaneous 筋膜层 tissue 皮下 fatty (Camper's) membranous (Scarpa's)
耻骨上支(切断) Superior pubic ramus (cut)
阴茎系韧带 Fundiform ligament of penis
阴茎悬韧带 Suspensory ligament of penis
Areolar tissue and vesical venous plexus in retropubic (prevesical) space
耻骨后(膀胱前)间隙内蜂窝组织和膀胱静脉丛
阴茎背深静脉 Deep dorsal vein of penis
阴茎海绵体 Corpus cavernosum
Deep (Buck's) fascia of penis
阴茎深(Buck's)筋膜
尿道海绵体 Corpus spongiosum
Superficial (dartos) fascia of penis and scrotum 阴茎与阴囊浅筋膜(肉膜)
Testis 睾丸
Ductus (vas) deferens 输精管
Urinary bladder and fascia 膀胱和筋膜
Ureter (cut) 输尿管(切断)
Seminal vesicle 精囊
Rectovesical pouch 膀胱直肠陷凹
Rectum 直肠
Rectoprostatic (Denonvilliers') fascia
直肠前列腺(Denonvilliers')筋膜
Prostate (covered by fascia)
前列腺(被筋膜覆盖)
Ischiopubic ramus (cut) 坐骨耻骨支(切断)
Pelvic diaphragm (levator ani muscle)
盆膈(肛提肌)
Deep transverse perineal muscle
会阴深横肌
Perineal body 会阴体
Deep Superficial Subcutaneous External anal sphincter muscle 肛门外括约肌 深层 浅层 皮下层
Deep perineal (investing or Gallaudet') fascia
会阴深(Gallaudet's)筋膜
Superficial perineal (Colles' fascia)
(inferior fascia of superficial perineal space)
会阴浅(Colles')筋膜(会阴浅隙下筋膜)
Superficial (dartos) fascia of scrotum
阴囊浅筋膜(肉膜)
External spermatic fascia 精索外筋膜



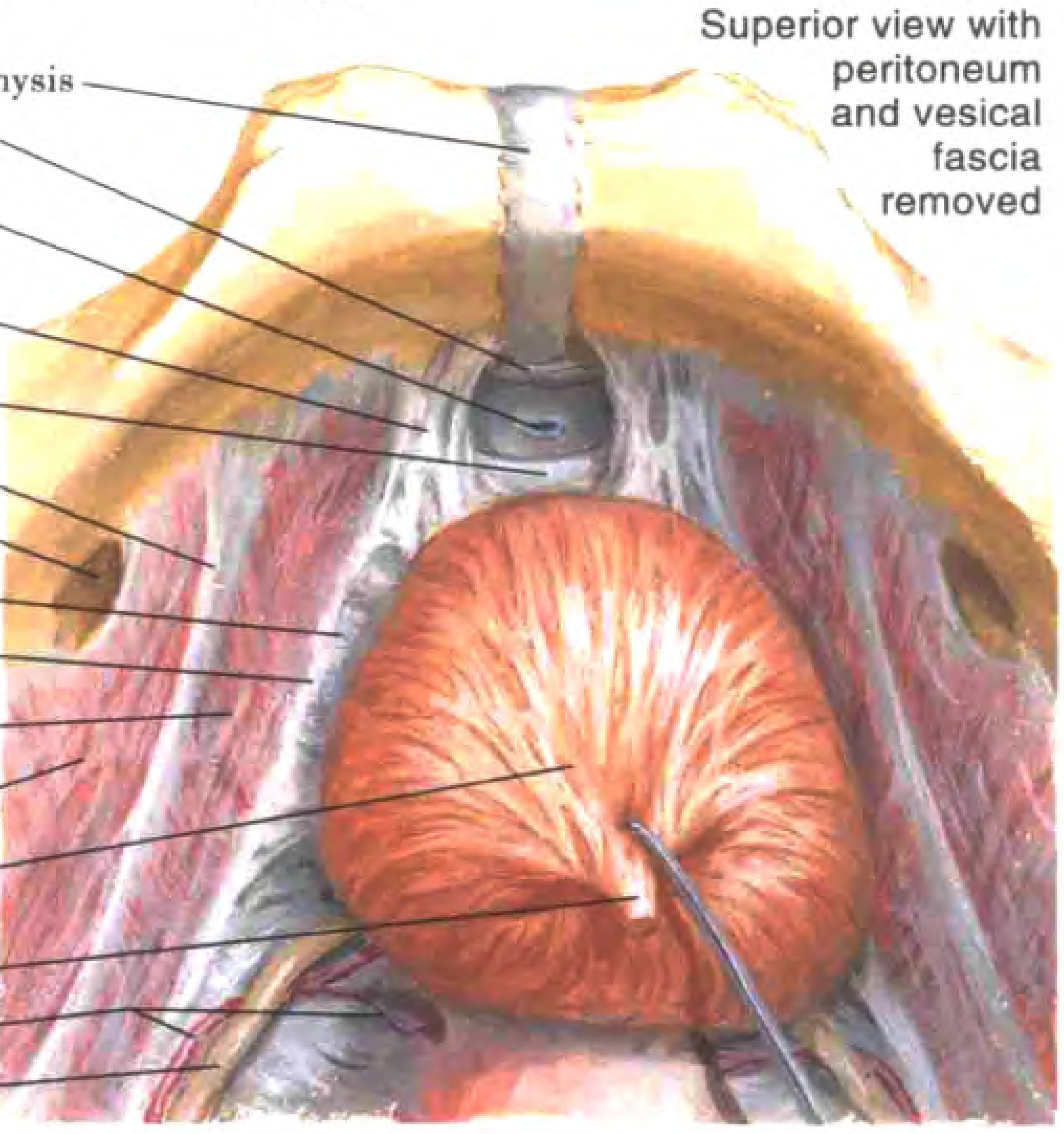
正中(矢状)切面
Median (sagittal) section
脐尿管 Urachus
Urinary bladder 膀胱 尖 Apex 底 Fundus 体 Body 三角 Trigone 颈 Neck
耻骨联合 Pubic symphysis
阴茎悬韧带 Suspensory ligament of penis
耻骨下(弓状)韧带 Inferior (arcuate) pubic ligament
前列腺静脉丛 Prostatic venous plexus
会阴横筋膜(会阴膜前方增厚) Transverse perineal ligament (anterior thickening of perineal membrane)
会阴膜 Perineal membrane
会阴浅隙 Superficial perineal space
阴茎海绵体 Corpus cavernosum
尿道海绵体 Corpus spongiosum
Superficial (dartos) fascia of penis and scrotum
阴茎和阴囊浅筋膜(肉膜)
阴茎深(Buck's)筋膜 Deep (Buck's) fascia of penis
包皮 Prepuce
Glans penis and external urethral meatus
阴茎头和尿道外口
Vesical fascia 膀胱筋膜
Rectovesical pouch 直肠膀胱陷凹
Rectum 直肠
Seminal vesicle 精囊
Prostate 前列腺
Rectoprostatic (Denonvilliers') fascia
直肠前列腺(Denonvilliers')筋膜
External urethral sphincter muscle
尿道外括约肌
Bulbo-urethral (Cowper's) gland
尿道球(Cowper's)腺
Perineal body 会阴体
Bulbospongiosus muscle 球海绵体肌
Deep perineal (investing or Gallaudet's) fascia
会阴深(Gallaudet's)筋膜
Superficial perineal (Colles') fascia 会阴浅(Colles')筋膜
Deep (Buck's) fascia of penis 阴茎深(Buck's)筋膜
Septum of scrotum 阴囊中隔
Navicular fossa
舟状窝
F. Netter M.D.
C. Machado M.D.


Superior view
上面观
精囊(腹膜下) Seminal vesicle (subperitoneal)
输精管(腹膜襞内) Ductus deferens (in peritoneal fold)
骨盆界线 Linea terminalis of pelvis
股环 Femoral ring
腹壁下动脉的耻骨支(与闭孔动脉吻合) Pubic branch of inferior epigastric artery (obturator anastomotic)
腹股沟管深环 Deep inguinal ring
髂外血管 External iliac vessels
睾丸血管(腹膜襞内) Testicular vessels (in peritoneal fold)
腹横筋膜 Transversalis fascia
壁腹膜 Parietal peritoneum
Left paracolic gutter
左结肠旁沟
Rectum 直肠
Linea alba 白线
Median umbilical fold and ligament (urachus)
脐正中襞和韧带(脐尿管)
Urinary bladder and transverse vesical fold
膀胱和膀胱横襞
Medial umbilical fold and ligament 脐内侧襞和韧带
(occluded part of umbilical artery) (脐动脉闭锁部)
Rectus abdominis muscle 腹直肌
Rectovesical pouch 膀胱直肠陷凹
Inferior epigastric vessels and lateral umbilical fold 腹壁下血管和脐外侧襞
Vesicosacral (sacrogenital) fold 骶膀胱襞(骶生殖襞)
Pararectal fossa 直肠旁窝
Ureteric fold 输尿管襞
Iliopubic tract (extraperitoneal)
髂耻束(腹膜外)
Cecum 盲肠
Cecal folds 盲肠襞
Quadratus lumborum muscle 腰方肌
乙状结肠
Sigmoid colon
Psoas minor and major muscles 腰大肌 腰小肌
交感干
Sympathetic trunk
Anterior longitudinal ligament 前纵韧带
Body of L3 vertebra
第3腰椎椎体
Descending colon
降结肠
腹横肌 Transversus abdominis
腹内斜肌 Internal oblique
腹外斜肌 External oblique
Abdominal muscles 腹肌
Testicular vessels 睾丸血管
Inferior vena cava 下腔静脉
Sacral promontory 骶岬
Abdominal aorta 腹主动脉
Superior hypogastric plexus
上腹下丛
Right paracolic gutter 结肠旁沟
Ascending colon 升结肠
Terminal ileum 回肠末端
Ureter
输尿管
Root of mesentery
系膜根
F. Netter M.D.

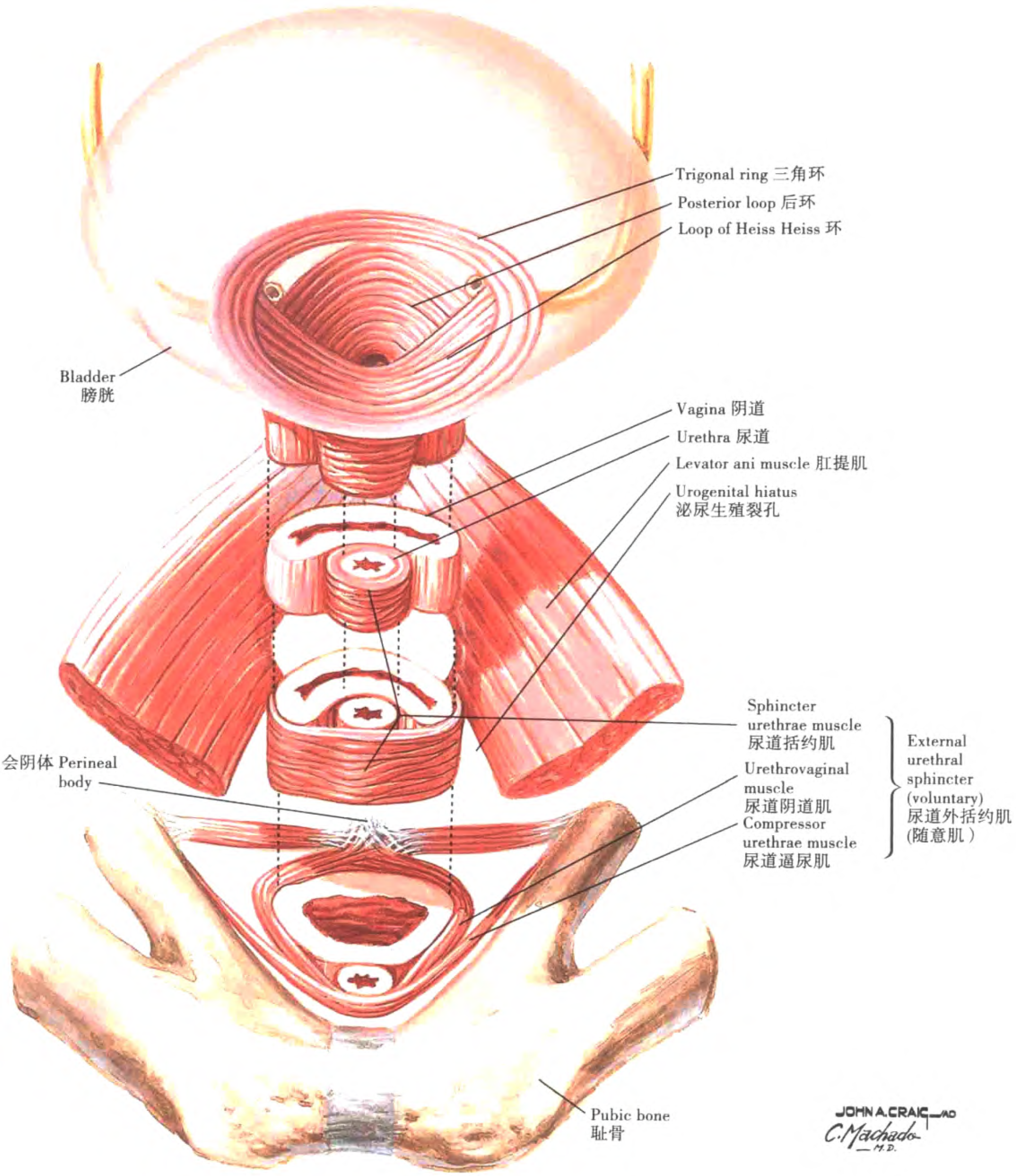
Female: midsagittal section
女性: 正中矢状切面

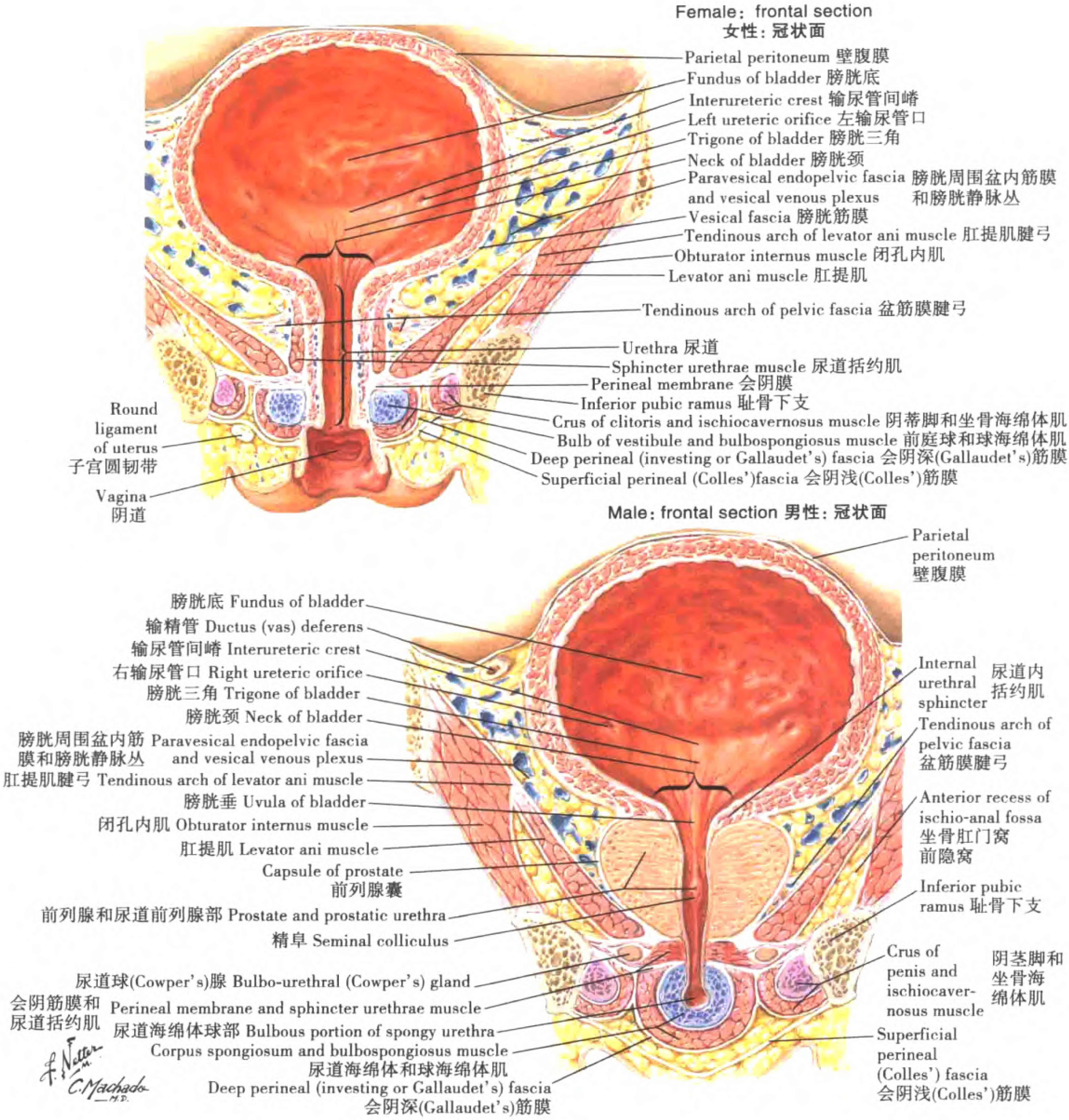


上面观去除腹膜和膀胱筋膜
Superior view with peritoneum and vesical fascia removed

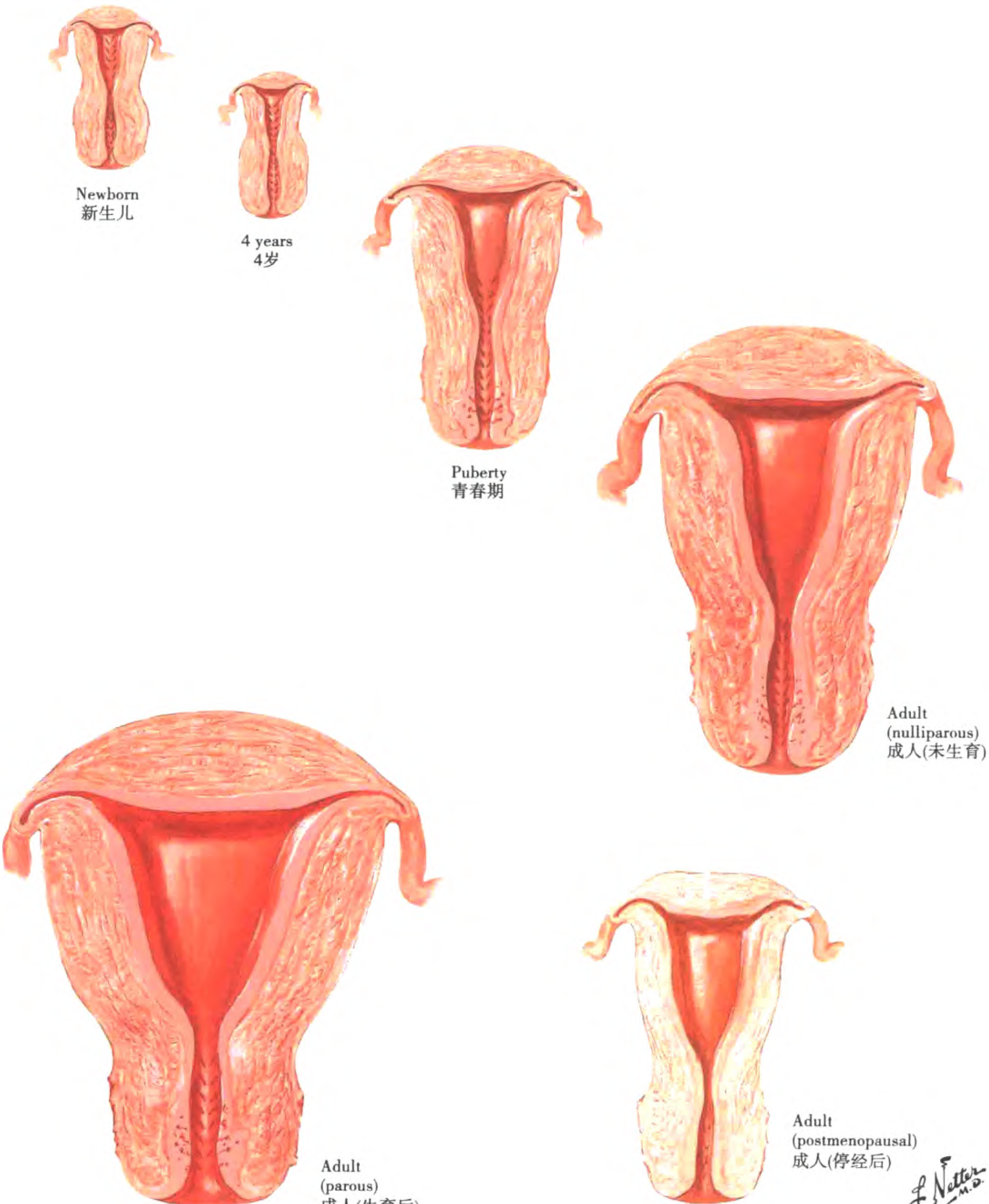


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Trigonal ring 三角环
Posterior loop 后环
Loop of Heiss Heiss 环
Bladder 膀胱
Vagina 阴道
Urethra 尿道
Levator ani muscle 肛提肌
Urogenital hiatus 泌尿生殖裂孔
Sphincter urethrae muscle 尿道括约肌
Urethrovaginal muscle 尿道阴道肌
Compressor urethrae muscle 尿道逼尿肌
External urethral sphincter (voluntary) 尿道外括约肌 (随意肌)
会阴体 Perineal body
Pubic bone 耻骨
JOHN A.CRAIG MD
C.Machado M.D.



Female: frontal section
女性:冠状面
Parietal peritoneum 壁腹膜
Fundus of bladder 膀胱底
Interureteric crest 输尿管间嵴
Left ureteric orifice 左输尿管口
Trigone of bladder 膀胱三角
Neck of bladder 膀胱颈
Paravesical endopelvic fascia and vesical venous plexus 膀胱周围盆内筋膜和膀胱静脉丛
Vesical fascia 膀胱筋膜
Tendinous arch of levator ani muscle 肛提肌腱弓
Obturator internus muscle 闭孔内肌
Levator ani muscle 肛提肌
Tendinous arch of pelvic fascia 盆筋膜腱弓
Urethra 尿道
Sphincter urethrae muscle 尿道括约肌
Perineal membrane 会阴膜
Inferior pubic ramus 耻骨下支
Crus of clitoris and ischiocavernosus muscle 阴蒂脚和坐骨海绵体肌
Bulb of vestibule and bulbospongiosus muscle 前庭球和球海绵体肌
Deep perineal (investing or Gallaudet's) fascia 会阴深(Gallaudet's)筋膜
Superficial perineal (Colles')fascia 会阴浅(Colles')筋膜
Round ligament of uterus 子宫圆韧带
Vagina 阴道
Male: frontal section 男性:冠状面
Parietal peritoneum 壁腹膜
膀胱底 Fundus of bladder
输精管 Ductus (vas) deferens
输尿管间嵴 Interureteric crest
右输尿管口 Right ureteric orifice
膀胱三角 Trigone of bladder
膀胱颈 Neck of bladder
膀胱周围盆内筋膜和膀胱静脉丛 Paravesical endopelvic fascia and vesical venous plexus
肛提肌腱弓 Tendinous arch of levator ani muscle
膀胱垂 Uvula of bladder
闭孔内肌 Obturator internus muscle
肛提肌 Levator ani muscle
Capsule of prostate 前列腺囊
前列腺和尿道前列腺部 Prostate and prostatic urethra
精阜 Seminal colliculus
尿道球(Cowper's)腺 Bulbo-urethral (Cowper's) gland
会阴筋膜和尿道括约肌 Perineal membrane and sphincter urethrae muscle
尿道海绵体球部 Bulbous portion of spongy urethra
Corpus spongiosum and bulbospongiosus muscle 尿道海绵体和球海绵体肌
Deep perineal (investing or Gallaudet's) fascia 会阴深(Gallaudet's)筋膜
Internal urethral sphincter 尿道内括约肌
Tendinous arch of pelvic fascia 盆筋膜腱弓
Anterior recess of ischio-anal fossa 坐骨肛门窝前隐窝
Inferior pubic ramus 耻骨下支
Crus of penis and ischiocavernosus muscle 阴茎脚和坐骨海绵体肌
Superficial perineal (Colles') fascia 会阴浅(Colles')筋膜
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C. Machado M.D.


Newborn
新生儿
4 years
4岁
Puberty
青春期
Adult
(nulliparous)
成人(未生育)
Adult
(parous)
成人(生育后)
Adult
(postmenopausal)
成人(停经后)

参见图382、384、390

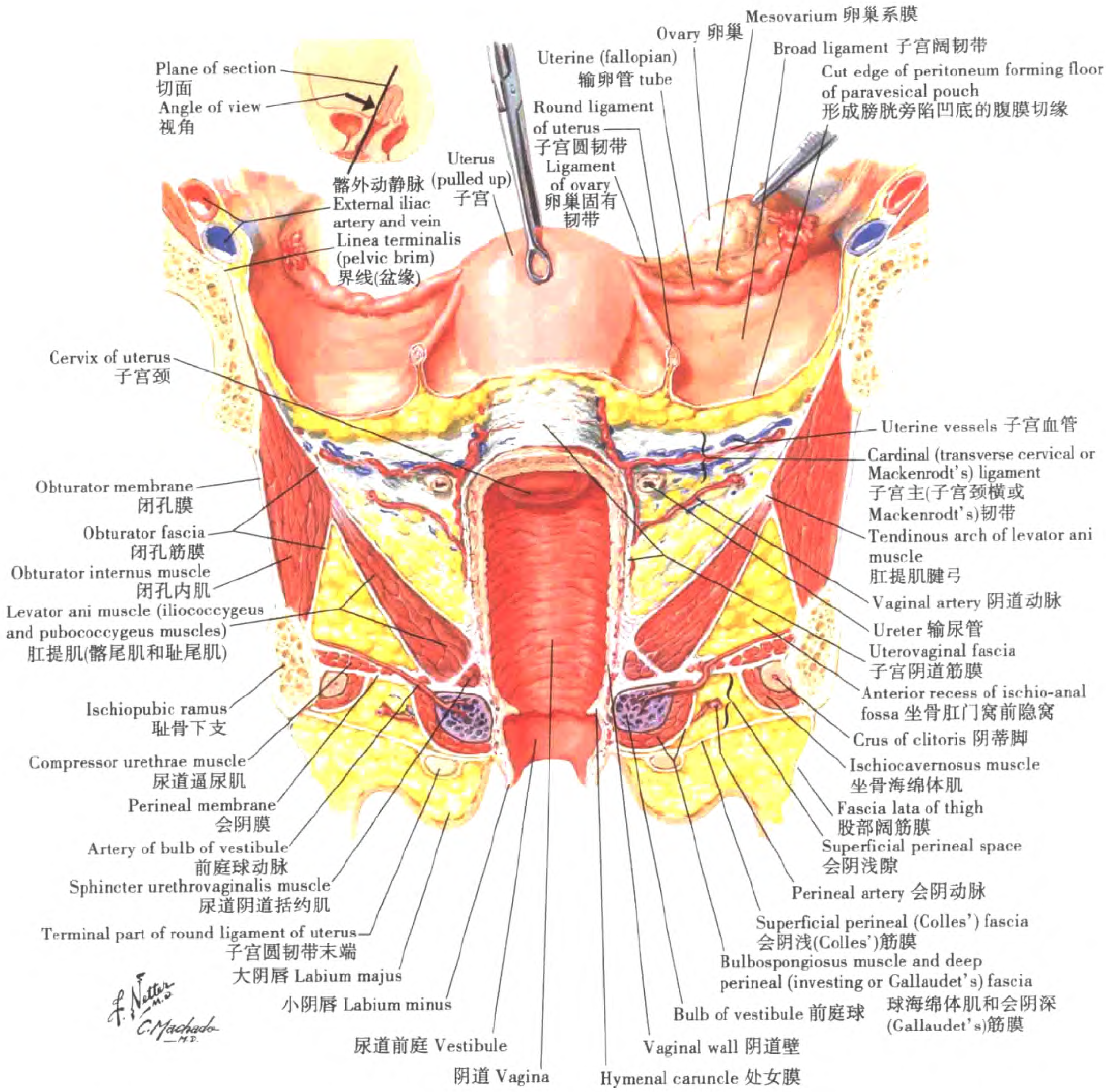
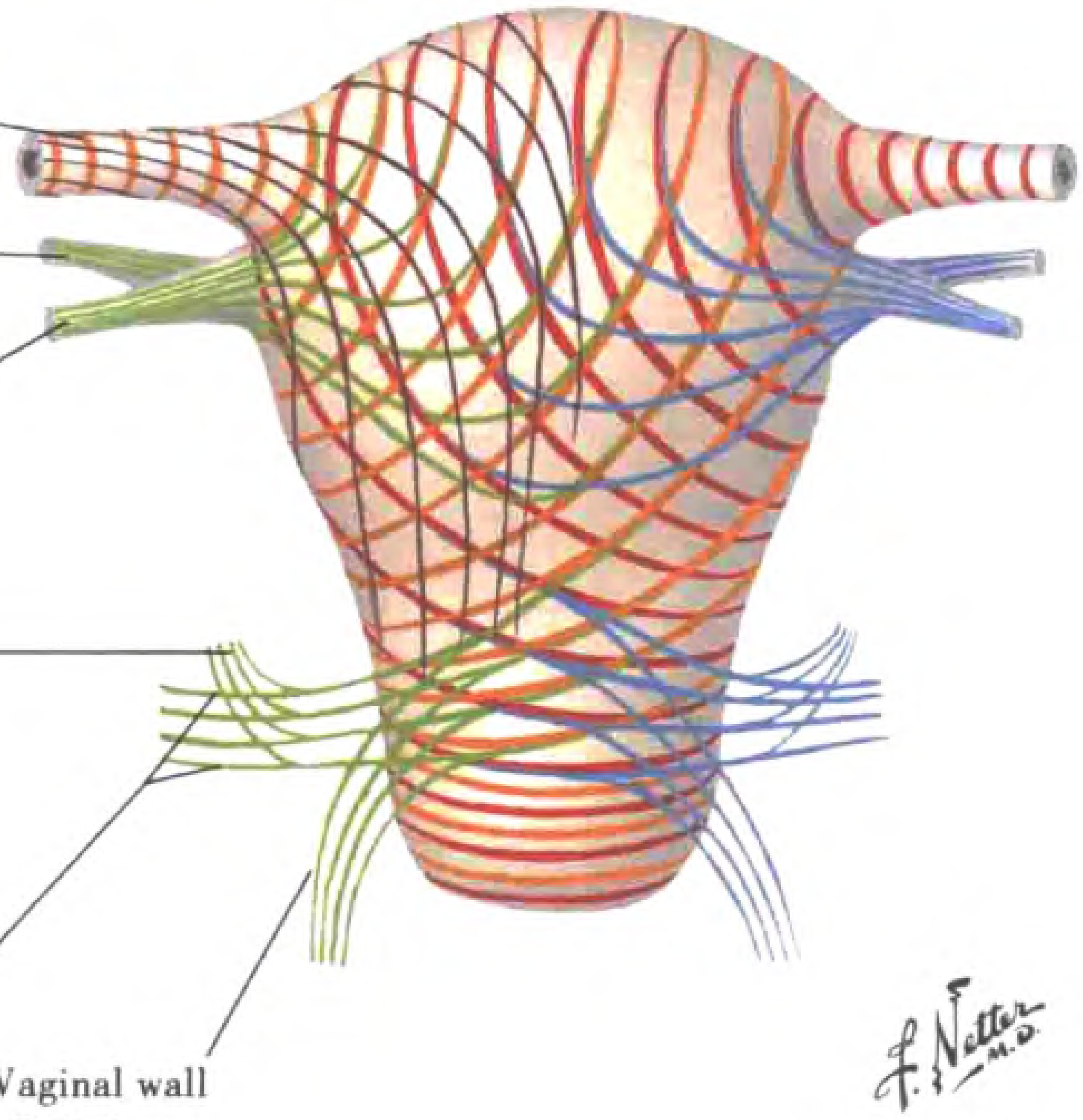


图 350　子宫、阴道和固定装置

Fascial ligaments of uterus
子宫的韧带



Pelvic fascia and ligaments
盆腔筋膜和韧带

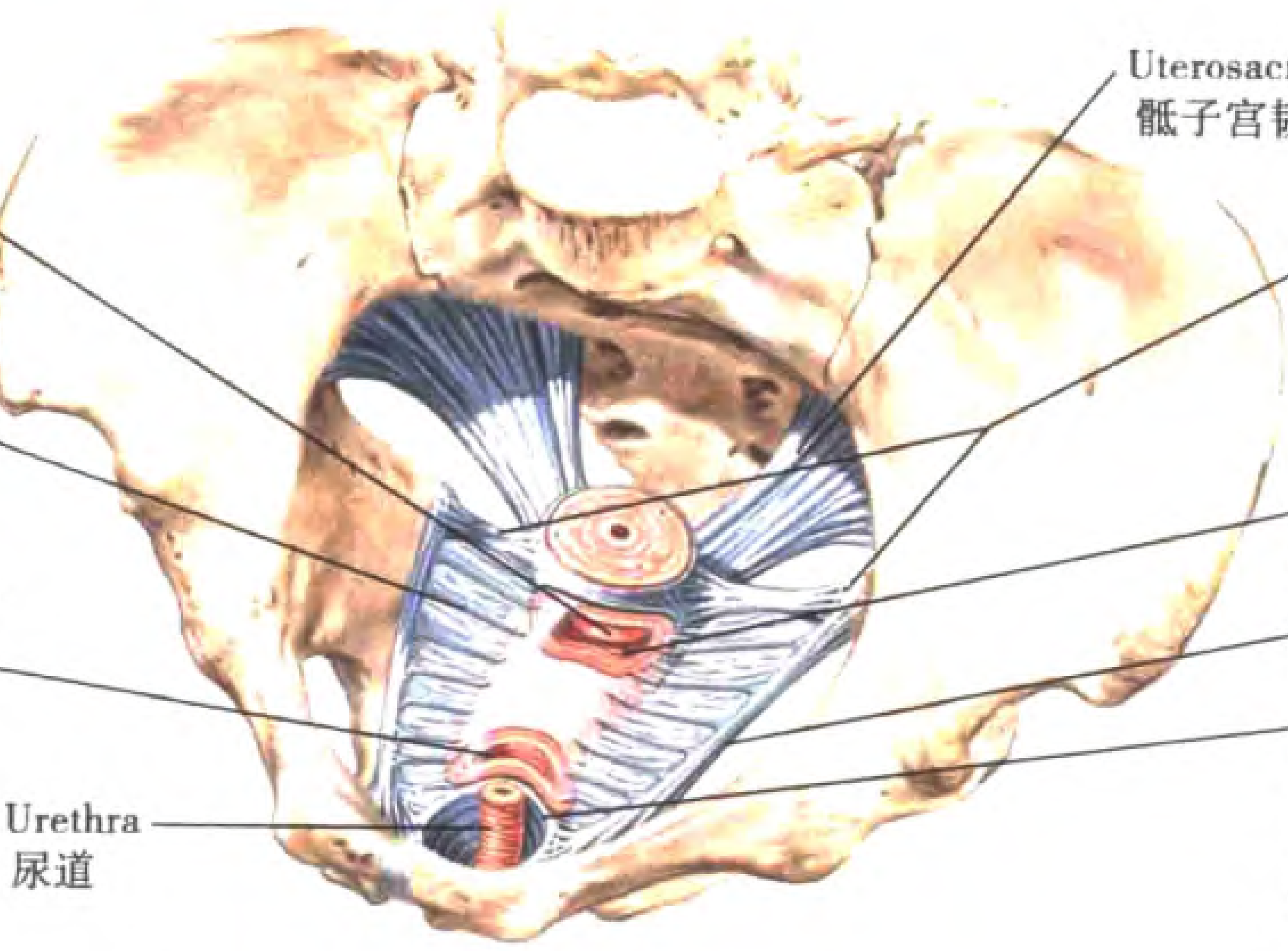


图 351　子宫、阴道和固定装置

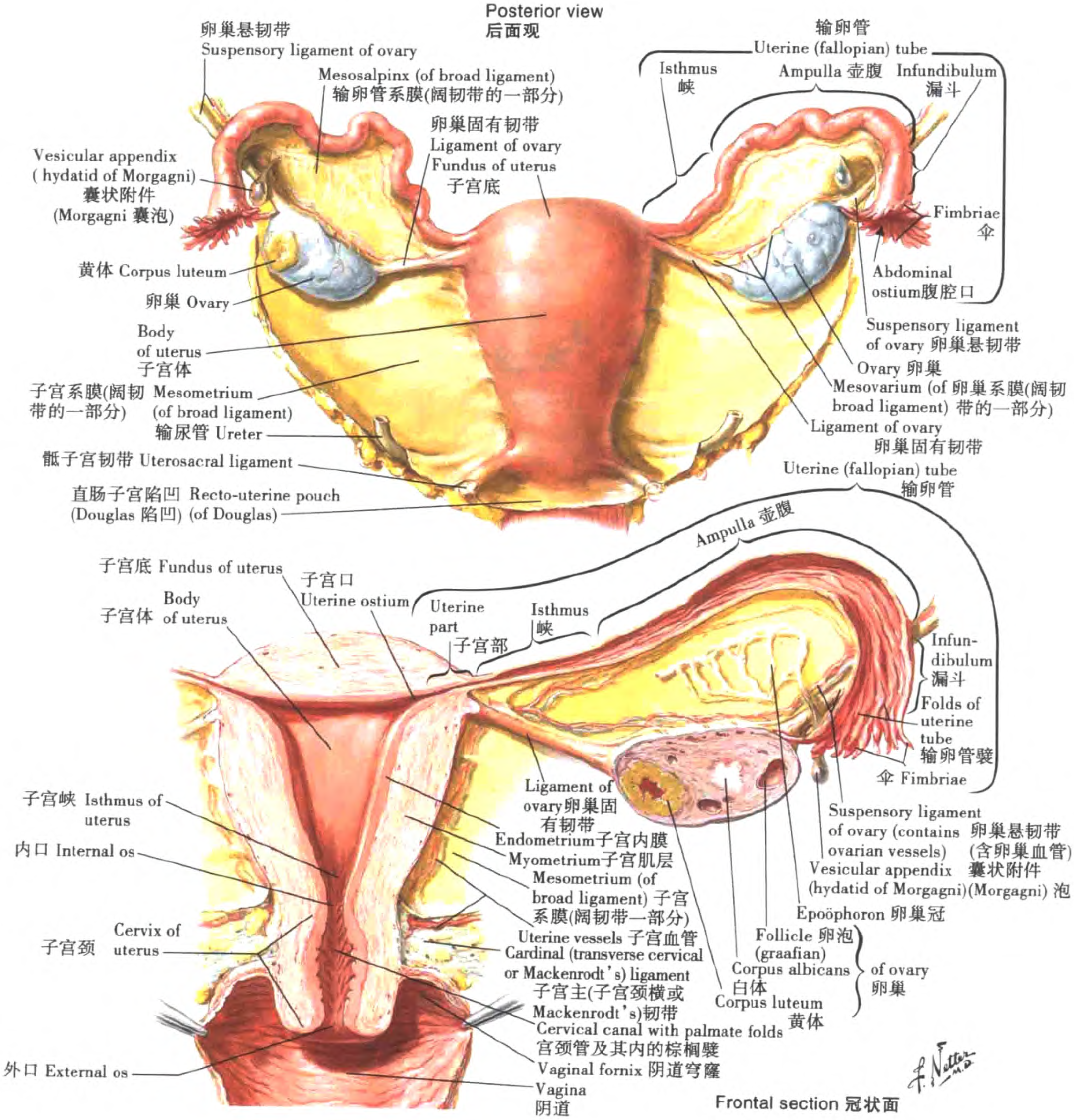
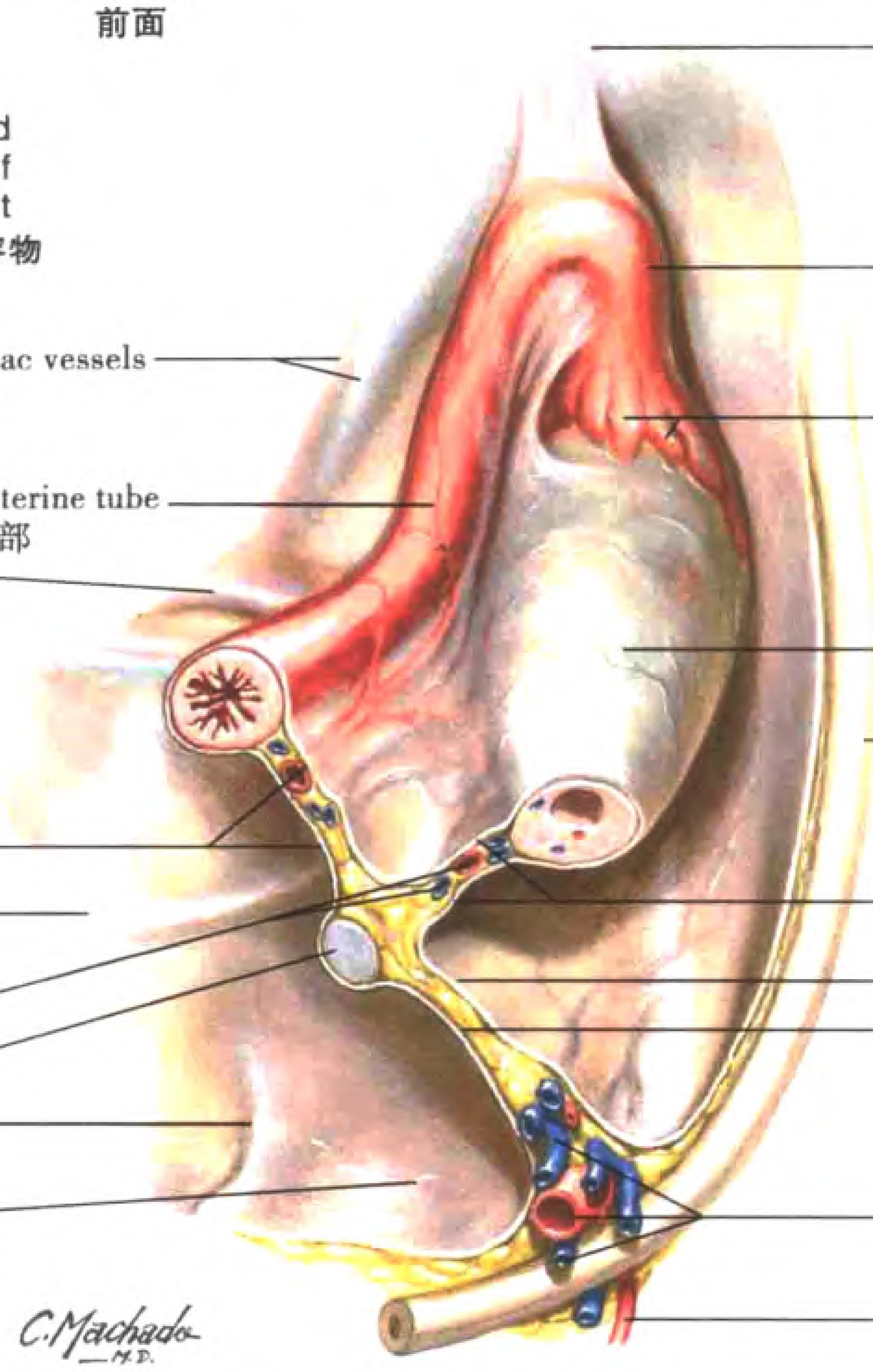
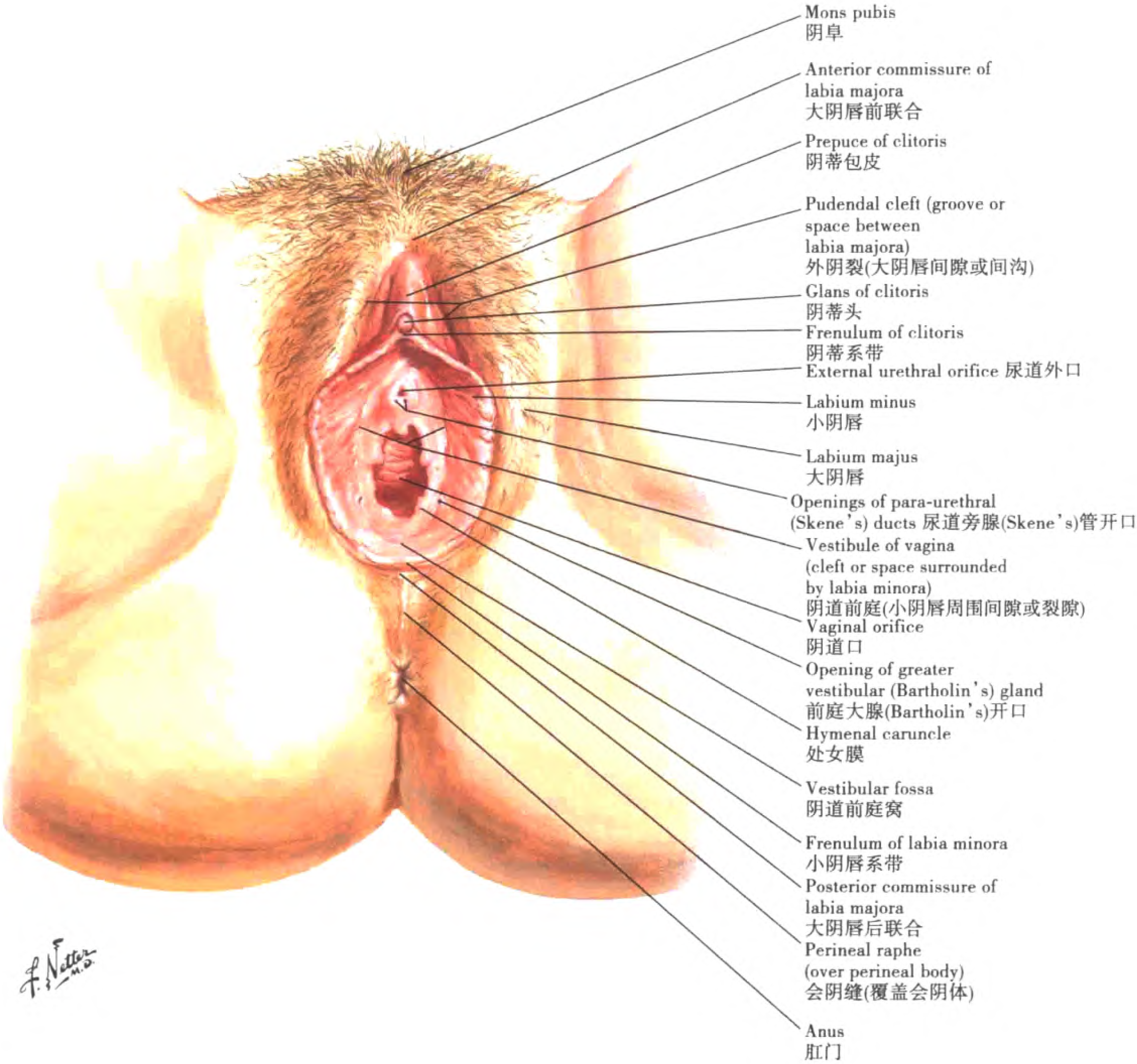


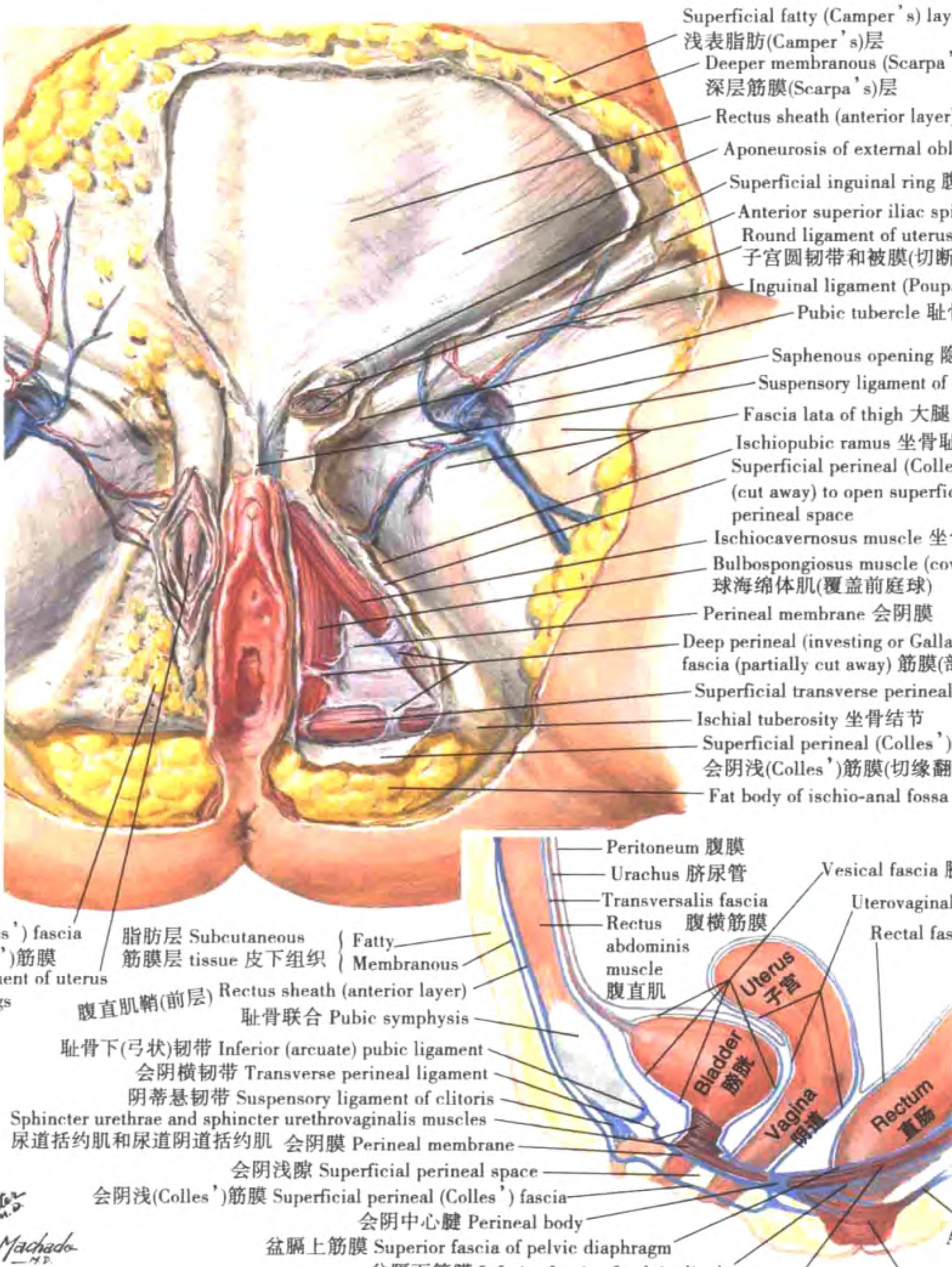
图 352 子宫、阴道和固定装置

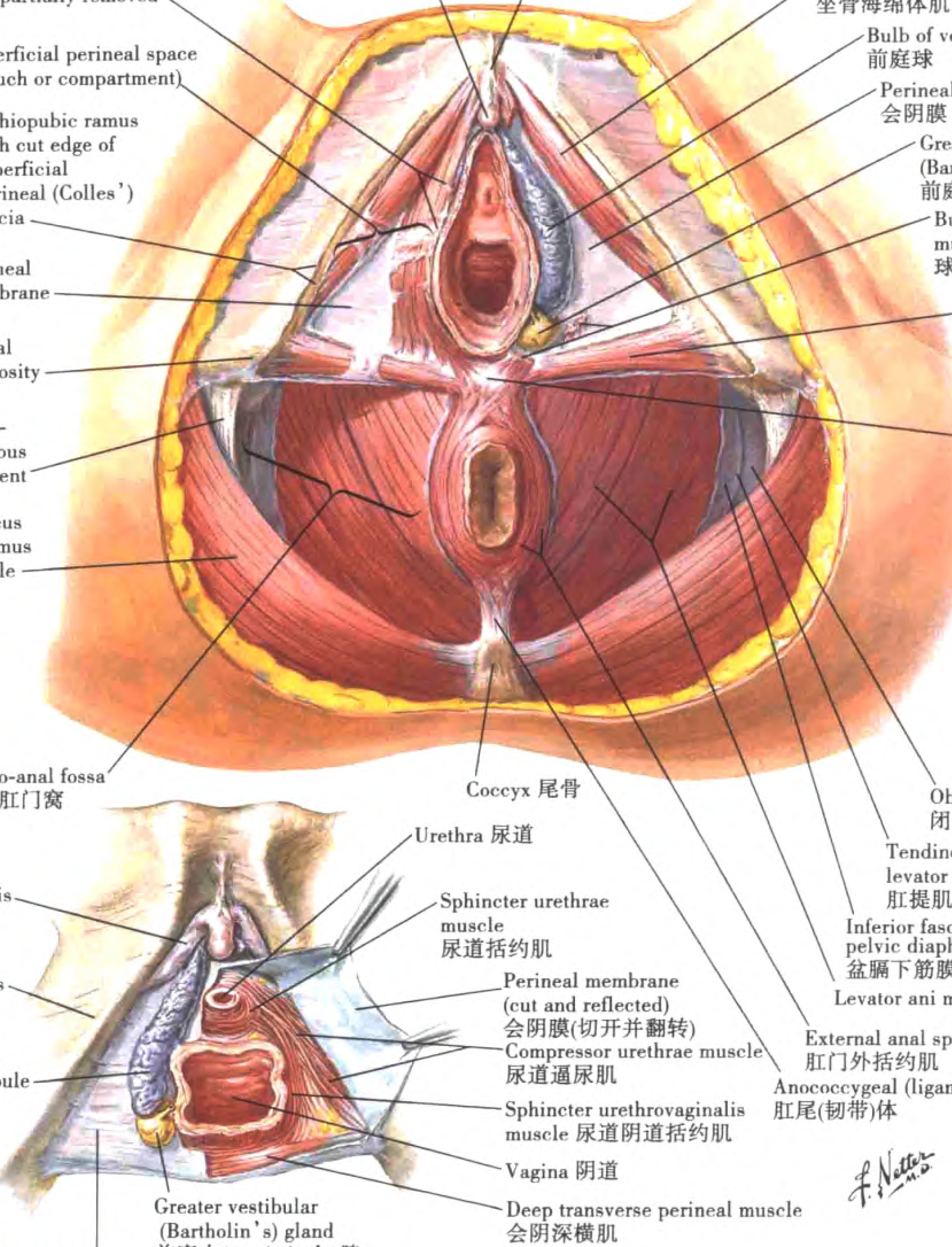

Anterior
前面
Posterior
后面
Subdivisions and contents of broad ligament
阔韧带的分部和内容物
Suspensory ligament of ovary (containing ovarian vessels)
卵巢悬韧带(含卵巢血管)
Infundibulum of uterine tube
输卵管漏斗部
External iliac vessels
髂外血管
Fimbriae of uterine tube
输卵管伞部
Ampulla of uterine tube
输卵管壶腹部
Round ligament
子宫圆韧带
Right ovary 右侧卵巢
Right ureter 右侧输尿管
Laminae of mesosalpinx
输卵管系膜
Obliterated umbilical artery
闭锁的脐动脉
Laminae of mesovarium
卵巢系膜
子宫血管 Ovarian branches
的卵巢支 of uterine vessels
Posterior lamina of broad ligament
阔韧带后膜
Anterior lamina of broad ligament
阔韧带前膜
子宫圆韧带 Round ligament
膀胱横襞 Transverse vesical fold
Vesico-uterine (uterovesical) pouch
膀胱子宫陷凹
Uterine artery and venous plexus
子宫动脉和静脉丛
Vaginal artery
阴道动脉
C.Machado M.D.


Hysterosalpingogram of uterus
子宫输卵管碘油造影
Right fallopian tube infection
右输卵管炎
Contrast medium in abdominal cavity
腹腔内的造影剂

参见图382,385,391




Superficial fatty (Camper's) layer 浅表脂肪(Camper's)层
Deeper membranous (Scarpa's) layer 深层筋膜(Scarpa's)层
Subcutaneous tissue 皮下组织
Rectus sheath (anterior layer) 腹直肌鞘(前层)
Aponeurosis of external oblique muscle 腹外斜肌腱膜
Superficial inguinal ring 腹股沟管浅环
Anterior superior iliac spine 髂前上棘
Round ligament of uterus and coverings (cut) 子宫圆韧带和被膜(切断)
Inguinal ligament (Poupart's) 腹股沟(Poupart's)韧带
Pubic tubercle 耻骨结节
Saphenous opening 隐静脉裂孔
Suspensory ligament of clitoris 阴蒂悬韧带
Fascia lata of thigh 大腿阔筋膜
Ischiopubic ramus 坐骨耻骨支
Superficial perineal (Colles') fascia (cut away) to open superficial perineal space 会阴浅(Colles')筋膜(切除)暴露会阴浅间隙
Ischiocavernosus muscle 坐骨海绵体肌
Bulbospongiosus muscle (covers bulb of vestibule) 球海绵体肌(覆盖前庭球)
Perineal membrane 会阴膜
Deep perineal (investing or Gallaudet's) fascia (partially cut away) 会阴深(Gallauder's)筋膜(部分切除)
Superficial transverse perineal muscle 会阴浅横肌
Ischial tuberosity 坐骨结节
Superficial perineal (Colles') fascia (cut edge turned down) 会阴浅(Colles')筋膜(切缘翻下)
Fat body of ischio-anal fossa 坐骨肛门窝脂肪
Superficial perineal (Colles') fascia 会阴浅(Colles')筋膜
Round ligament of uterus and coverings 子宫圆韧带及其被膜
Peritoneum 腹膜
Urachus 脐尿管
Transversalis fascia 腹横筋膜
Rectus abdominis muscle 腹直肌
Vesical fascia 膀胱筋膜
Uterovaginal fascia 子宫阴道筋膜
Rectal fascia 直肠筋膜
Uterus 子宫
Bladder 膀胱
Vagina 阴道
Rectum 直肠
脂肪层 Subcutaneous Fatty
筋膜层 tissue 皮下组织 Membranous
腹直肌鞘(前层) Rectus sheath (anterior layer)
耻骨联合 Pubic symphysis
耻骨下(弓状)韧带 Inferior (arcuate) pubic ligament
会阴横韧带 Transverse perineal ligament
阴蒂悬韧带 Suspensory ligament of clitoris
Sphincter urethrae and sphincter urethrovaginalis muscles 尿道括约肌和尿道阴道括约肌
会阴膜 Perineal membrane
会阴浅隙 Superficial perineal space
会阴浅(Colles')筋膜 Superficial perineal (Colles') fascia
会阴中心腱 Perineal body
盆膈上筋膜 Superior fascia of pelvic diaphragm
盆膈下筋膜 Inferior fascia of pelvic diaphragm
肛提肌 Levator ani muscle
Anococcygeal body 肛尾体(韧带)
External anal sphincter muscle 肛门外括约肌
F. Netter M.D.
C. Machado M.D.



球海绵体肌,会阴浅(Gallaudet's)筋膜部分去除
Bulbospongiosus muscle with deep perineal (investing or Gallaudet's) fascia partially removed
Clitoris 阴蒂
Suspensory ligament of clitoris 阴蒂悬韧带
Ischiocavernosus muscle 坐骨海绵体肌
会阴浅间隙(袋状或间隔) Superficial perineal space (pouch or compartment)
Bulb of vestibule 前庭球
Perineal membrane 会阴膜
坐骨耻骨支和会阴浅(Colles')筋膜切缘
Ischiopubic ramus with cut edge of superficial perineal (Colles') fascia
Greater vestibular (Bartholin's) gland 前庭大(Bartholin's)腺
Bulbospongiosus muscle (cut away) 球海绵体肌(切除)
会阴膜 Perineal membrane
Superficial transverse perineal muscle 会阴浅横肌
坐骨结节 Ischial tuberosity
骶结节韧带 Sacro-tuberous ligament
Perineal body 会阴体
臀大肌 Gluteus maximus muscle
Ischio-anal fossa 坐骨肛门窝
Coccyx 尾骨
Obturator fascia 闭孔筋膜
Tendinous arch of levator ani muscle 肛提肌腱弓
Inferior fascia of pelvic diaphragm (cut) 盆膈下筋膜(切断)
Levator ani muscle 肛提肌
External anal sphincter muscle 肛门外括约肌
Anococcygeal (ligament) body 肛尾(韧带)体
Urethra 尿道
Crus of clitoris 阴蒂脚
Sphincter urethrae muscle 尿道括约肌
Ischio-pubic ramus 坐骨耻骨支
Perineal membrane (cut and reflected) 会阴膜(切开并翻转)
Compressor urethrae muscle 尿道逼尿肌
Bulb of vestibule 前庭球
Sphincter urethrovaginalis muscle 尿道阴道括约肌
Vagina 阴道
Greater vestibular (Bartholin's) gland 前庭大(Bartholin's)腺
Deep transverse perineal muscle 会阴深横肌
Perineal membrane 会阴膜

参见图382,391

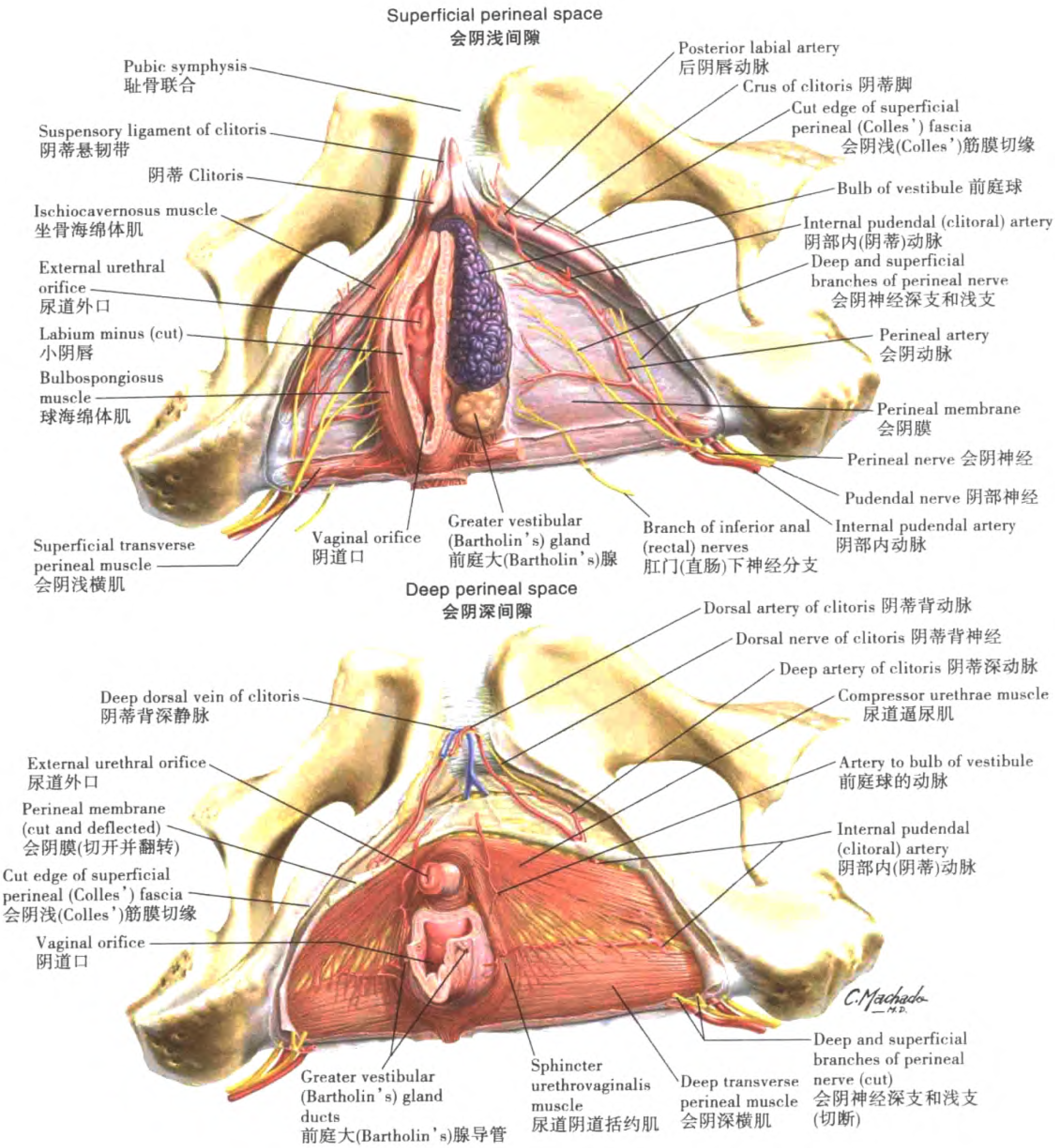
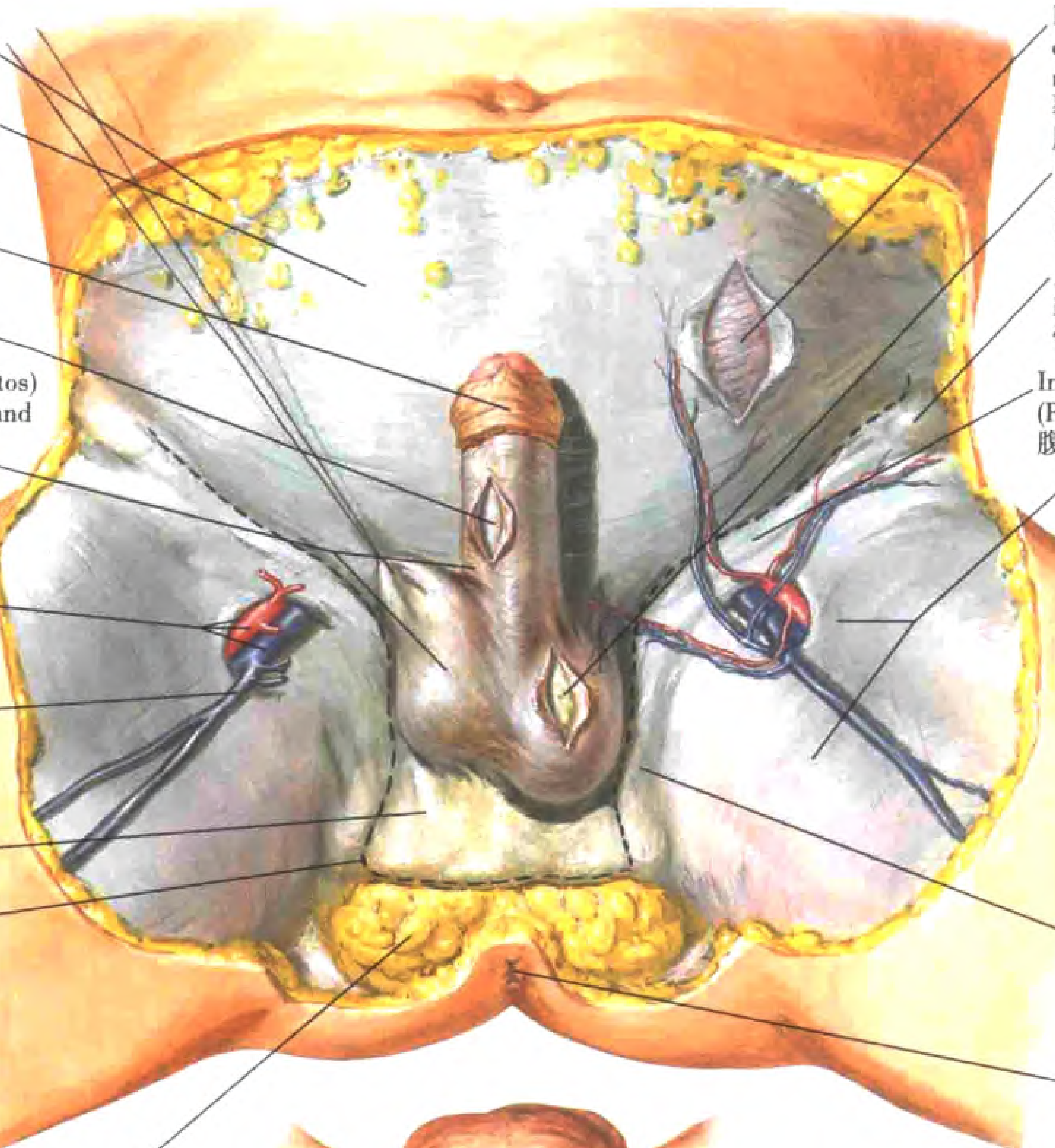
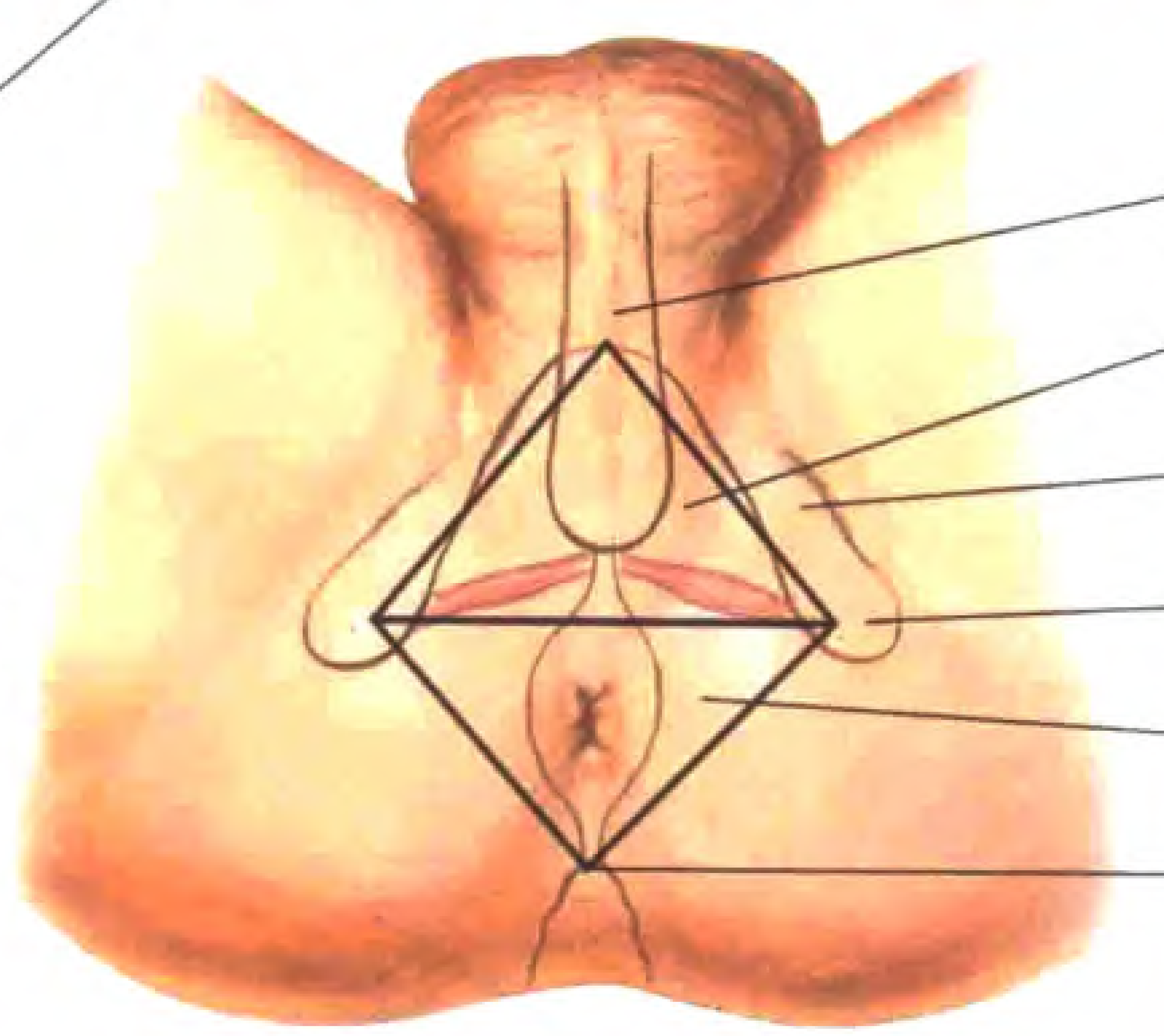
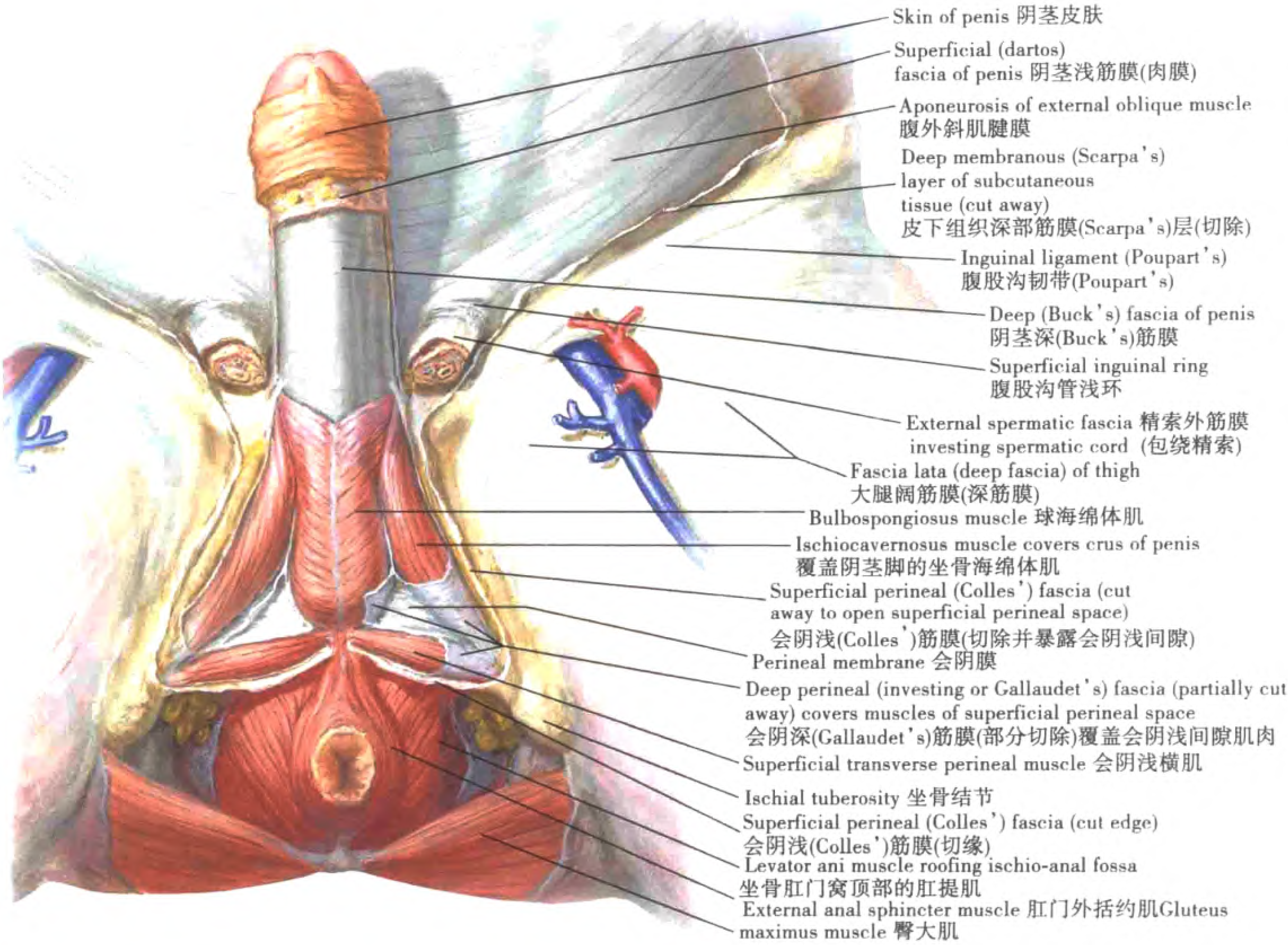


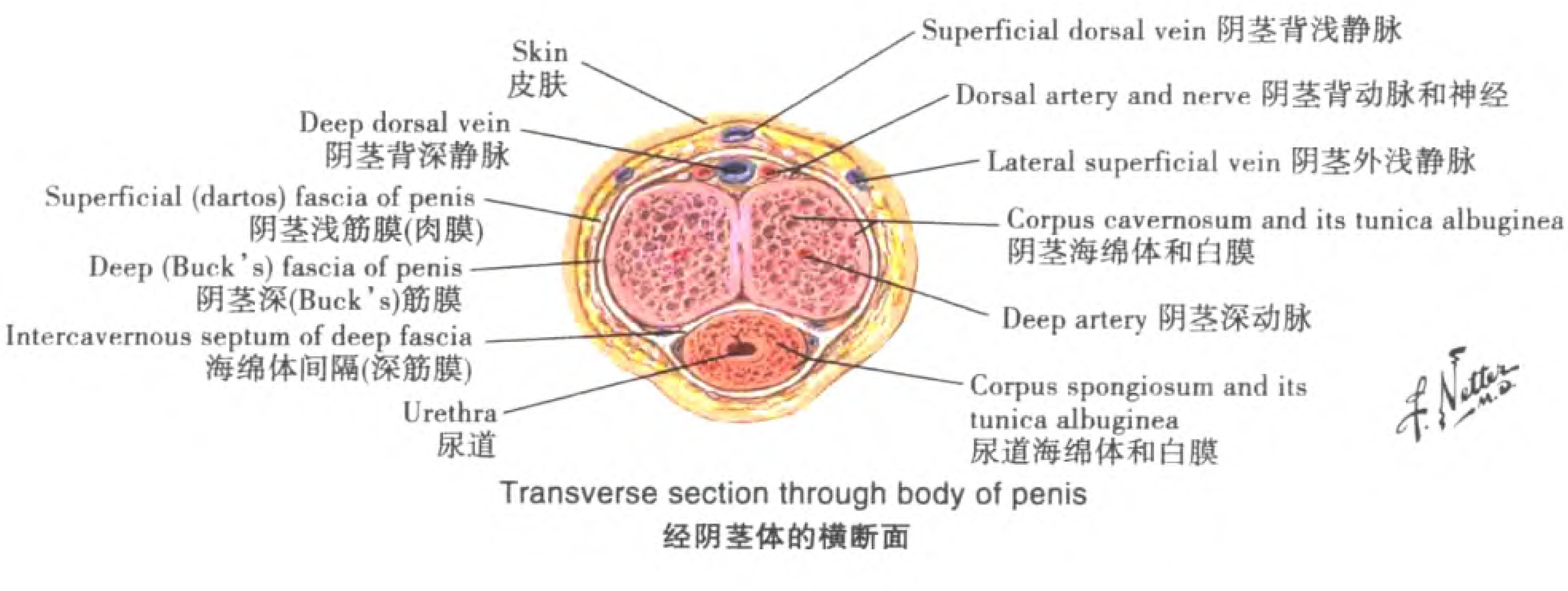
图 357　会阴和外生殖器：女性





Regions(triangles) of perineum: surface topography
会阴三角：表面解剖





Transverse section through body of penis
经阴茎体的横断面

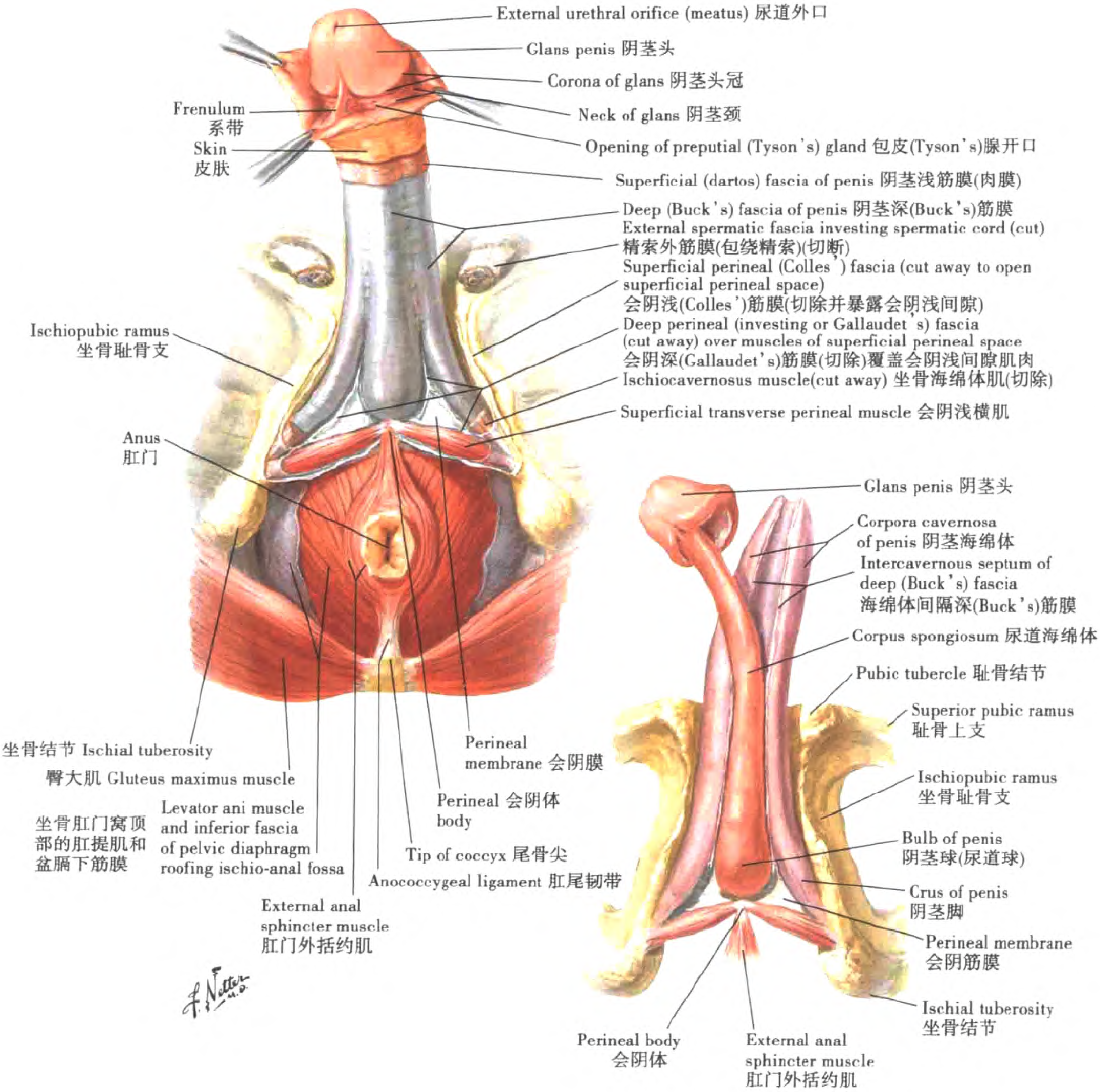
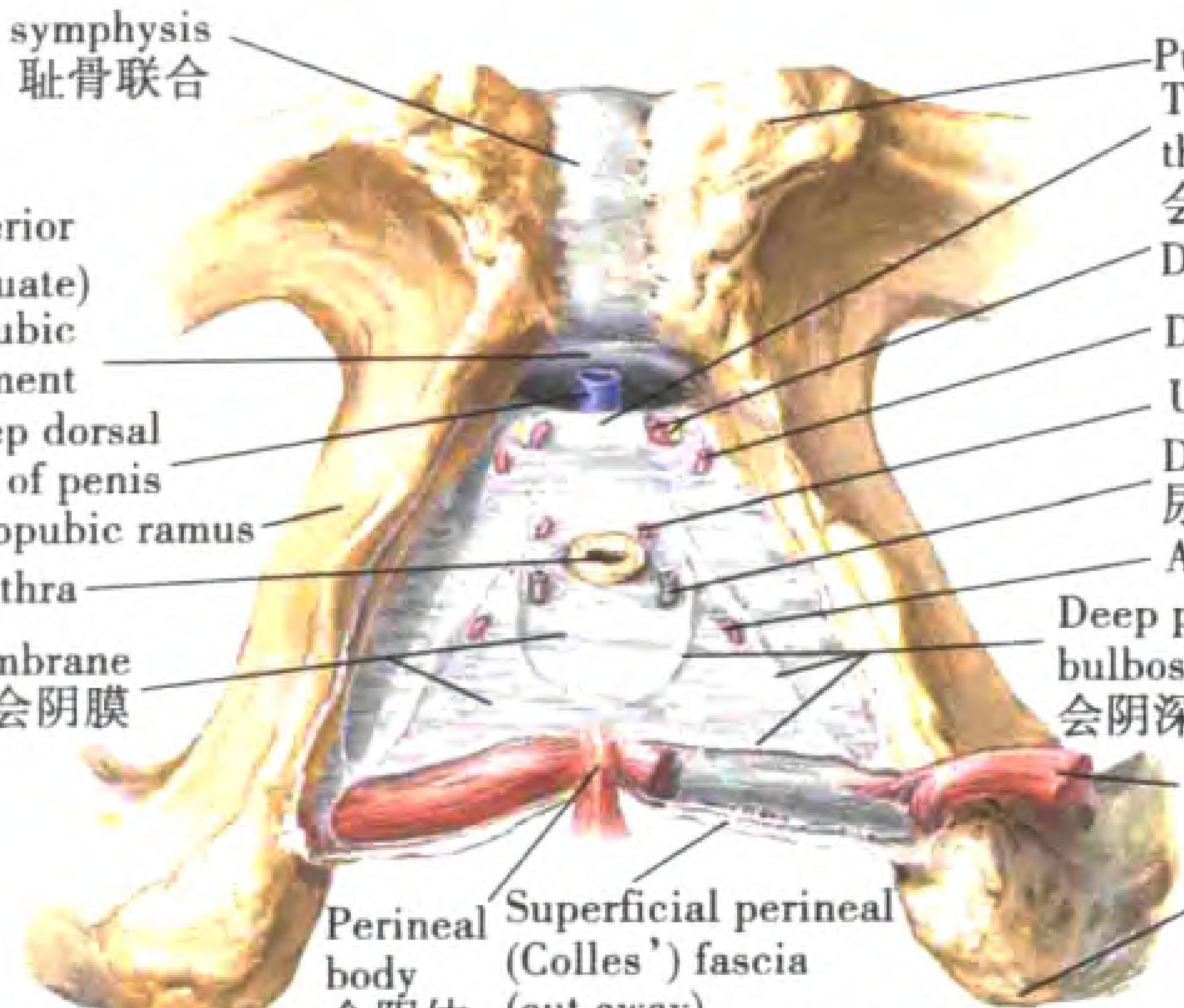
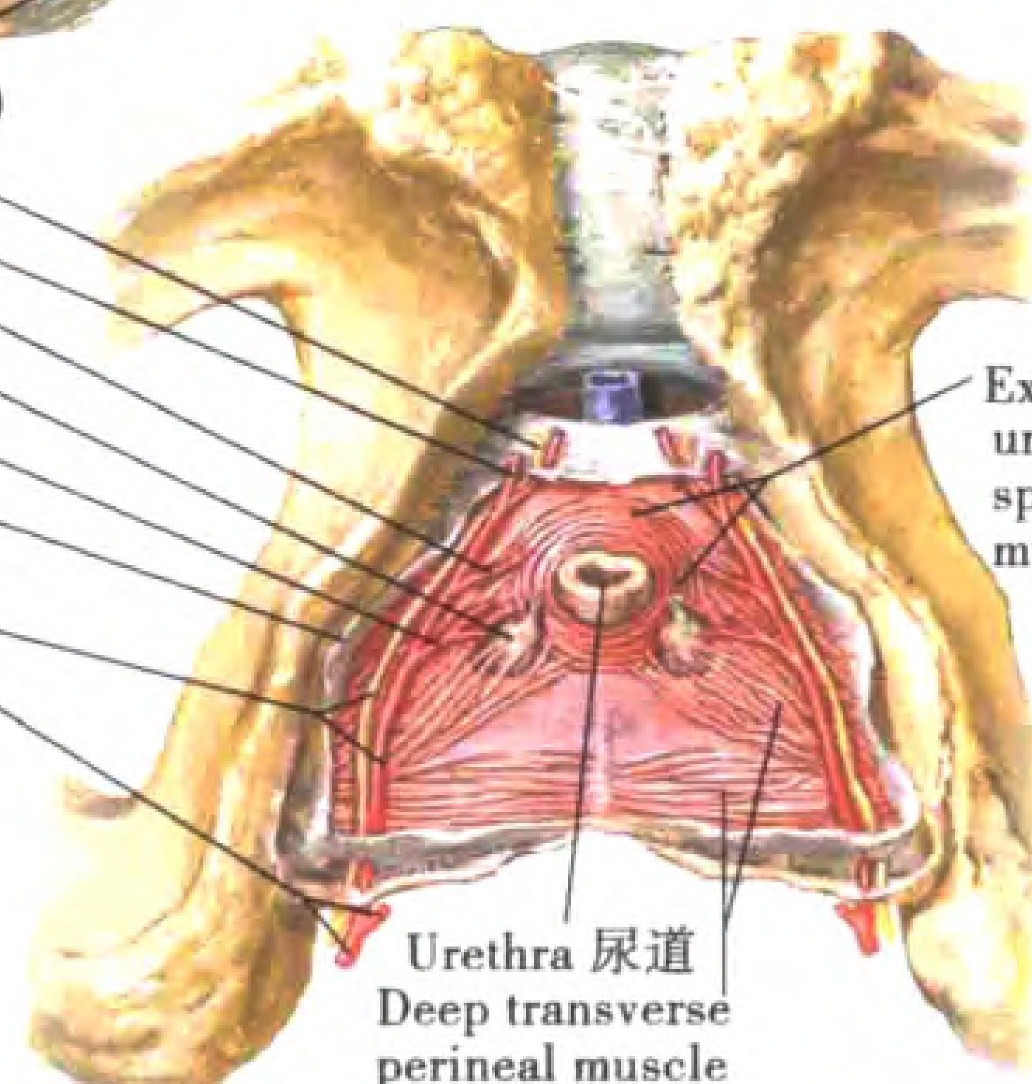
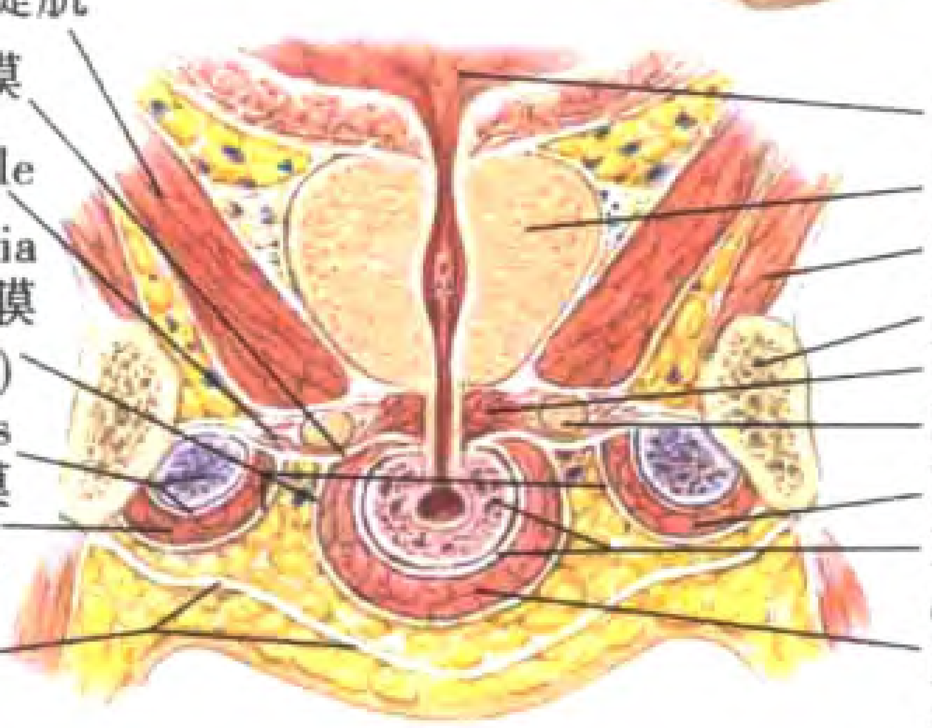


图 360 会阴和外生殖器：男性



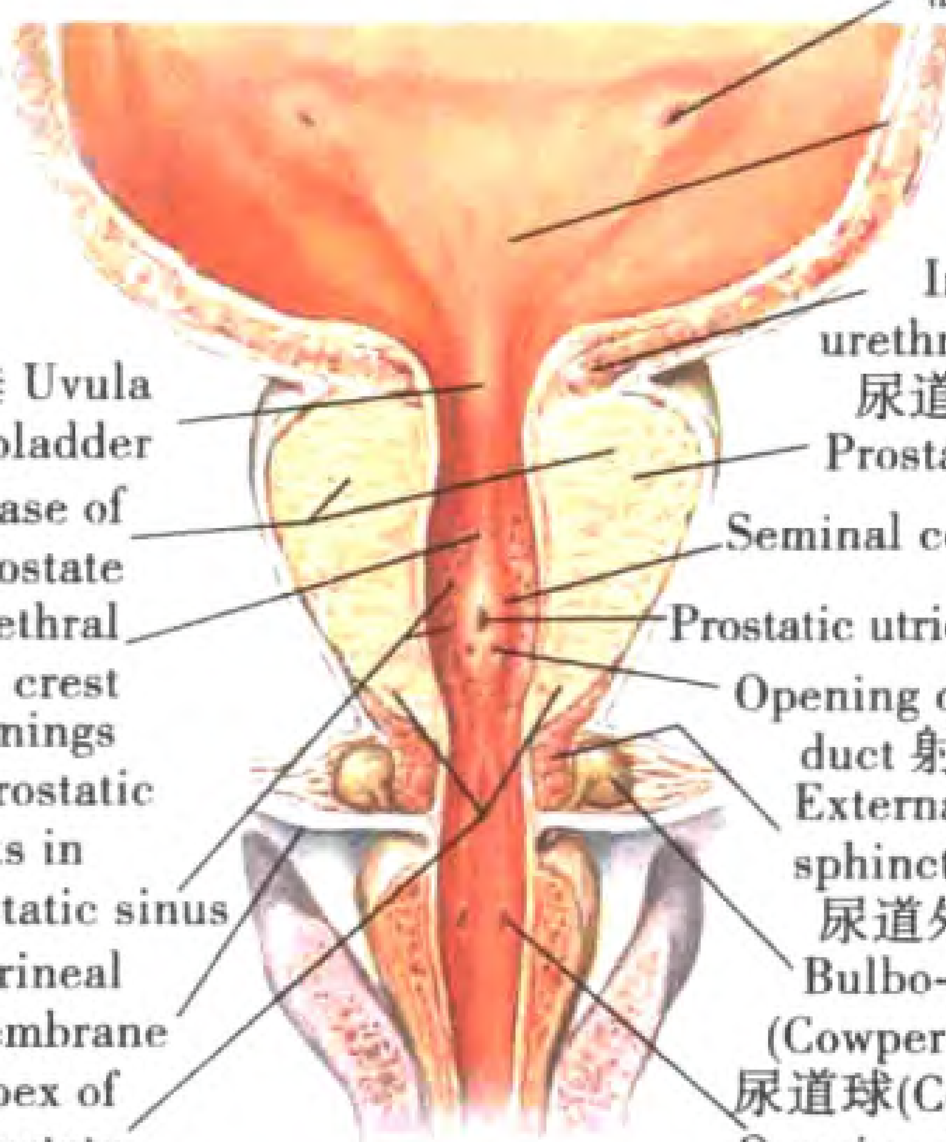
Inferior views
下面观



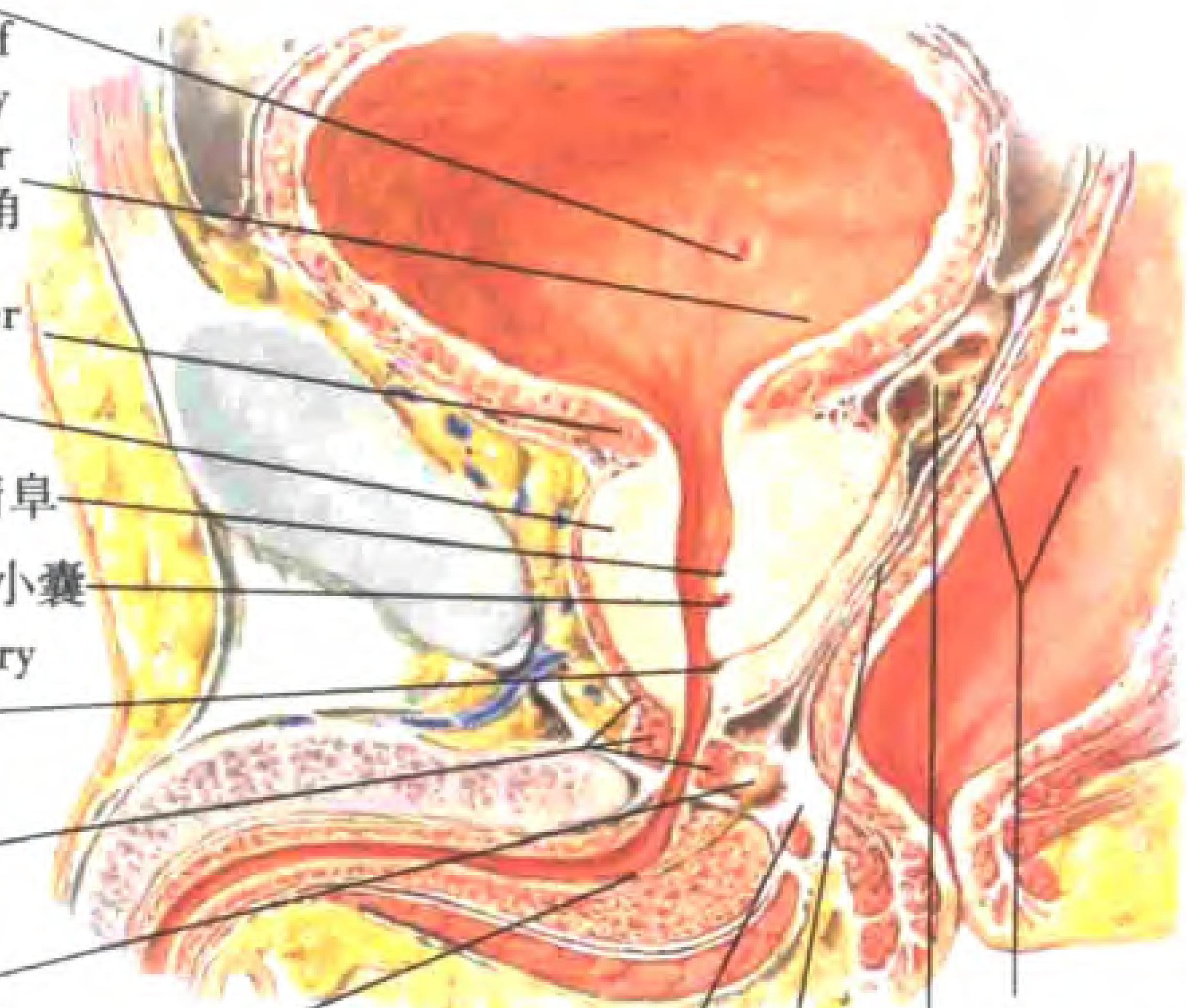


Frontal section, anterior view of perineum: schema
会阴冠状断面的前面观:示意图

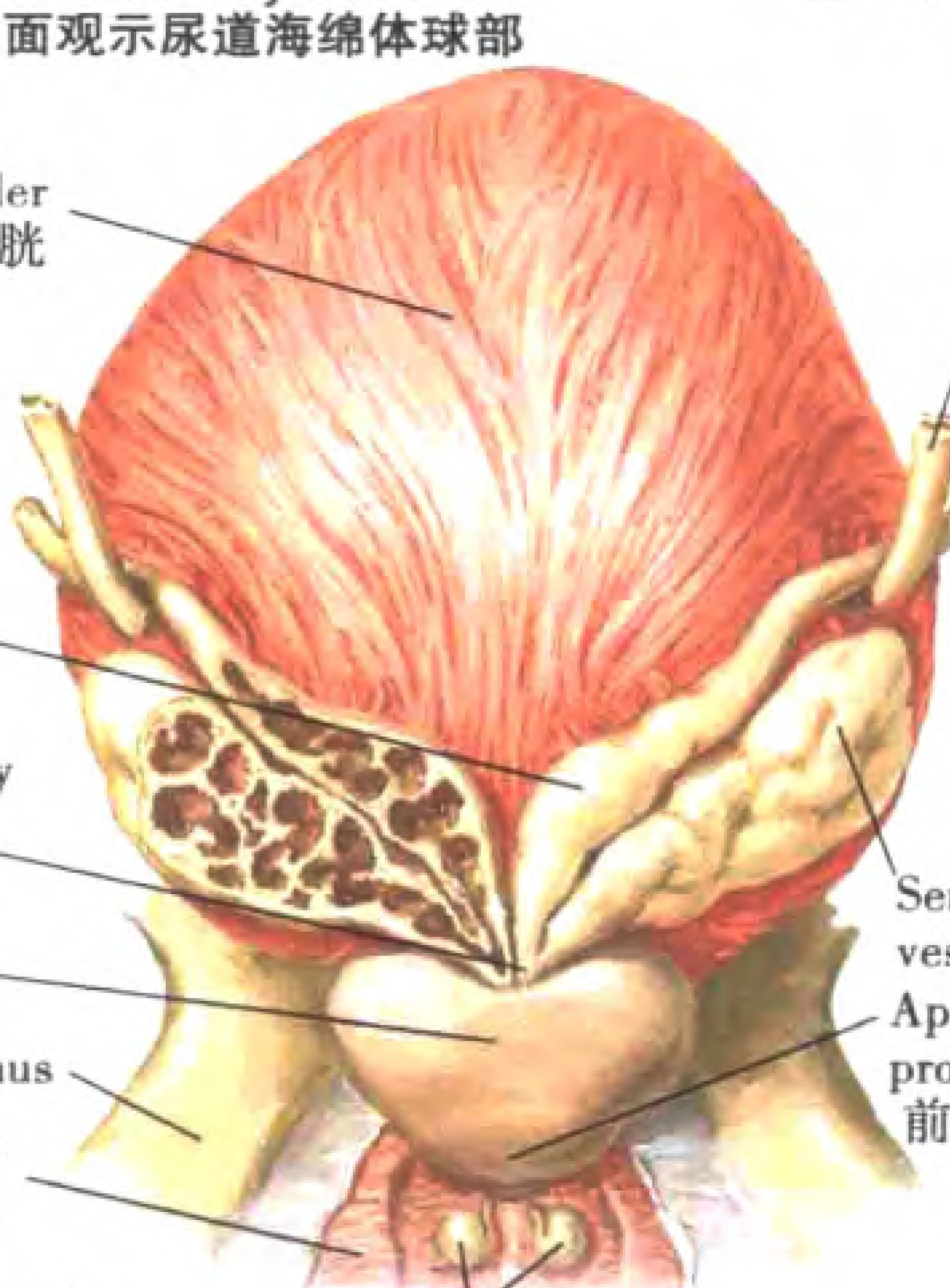
参见图 344,348,381



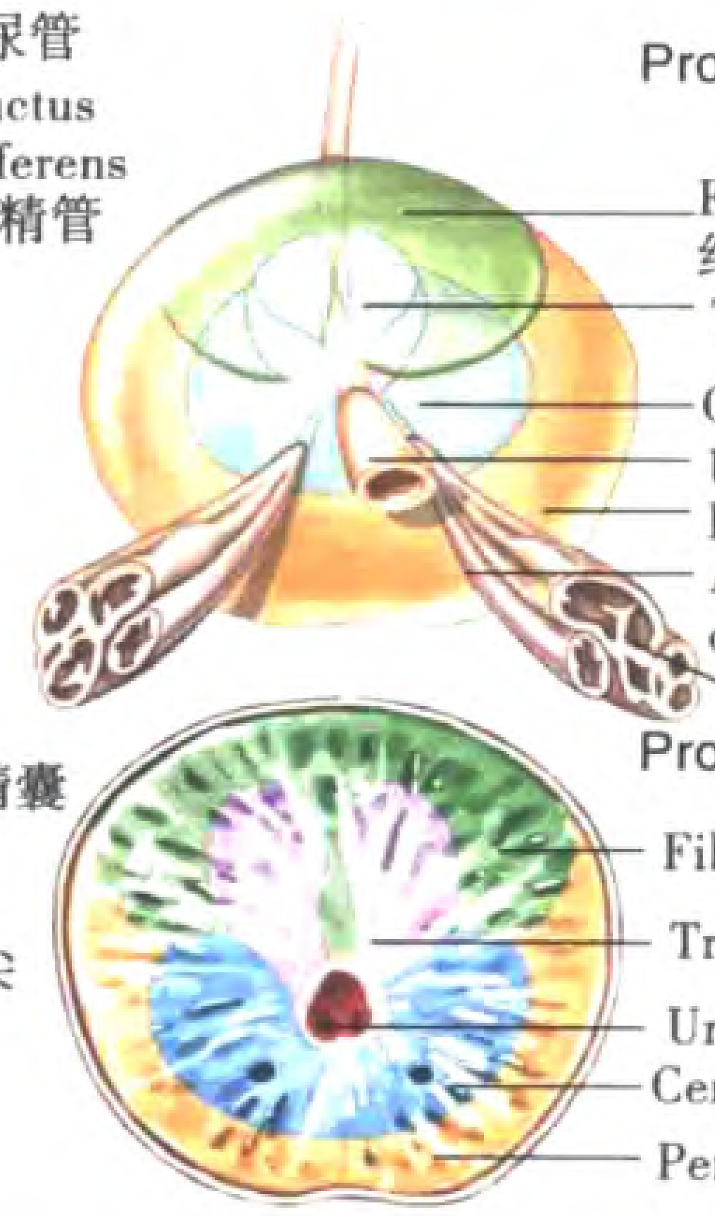
Frontal section, anterior view of bulbous portion of spongy urethra schematically extended
冠状面，前面观示尿道海绵体球部



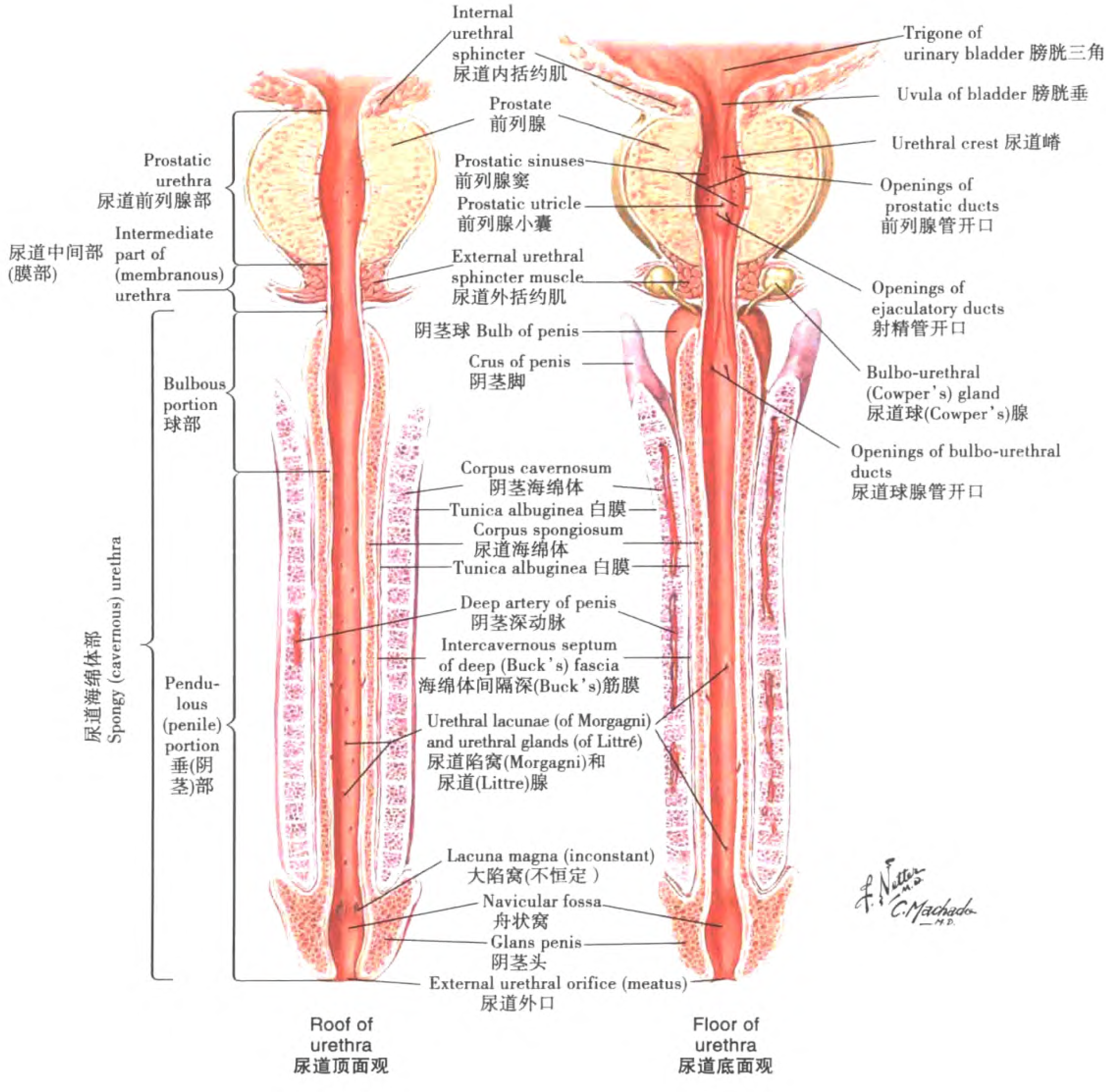
Sagittal section
矢状面



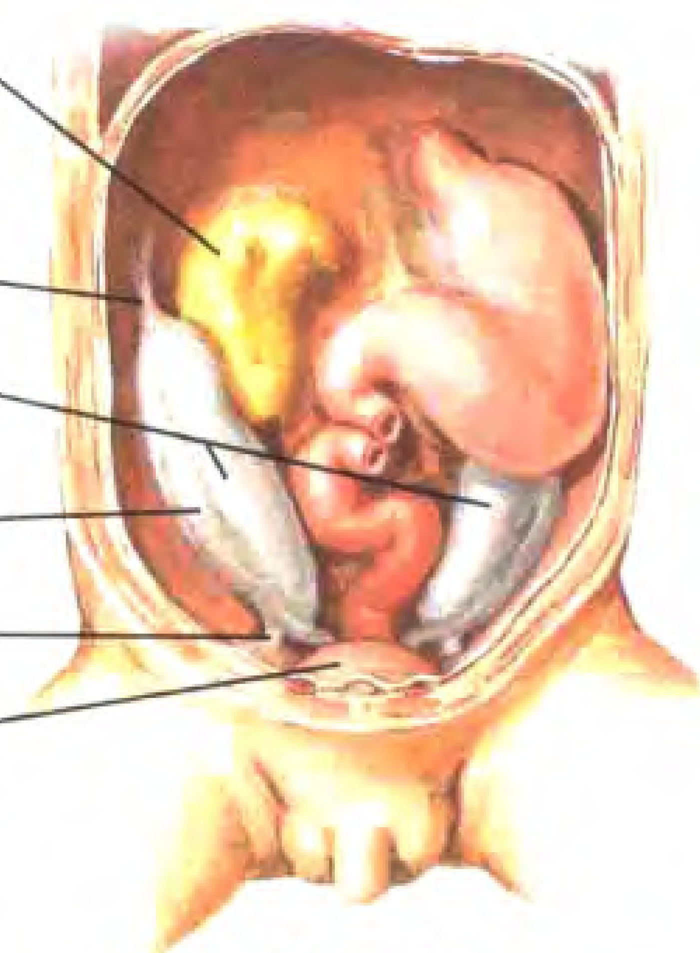
Posterior view
后面观



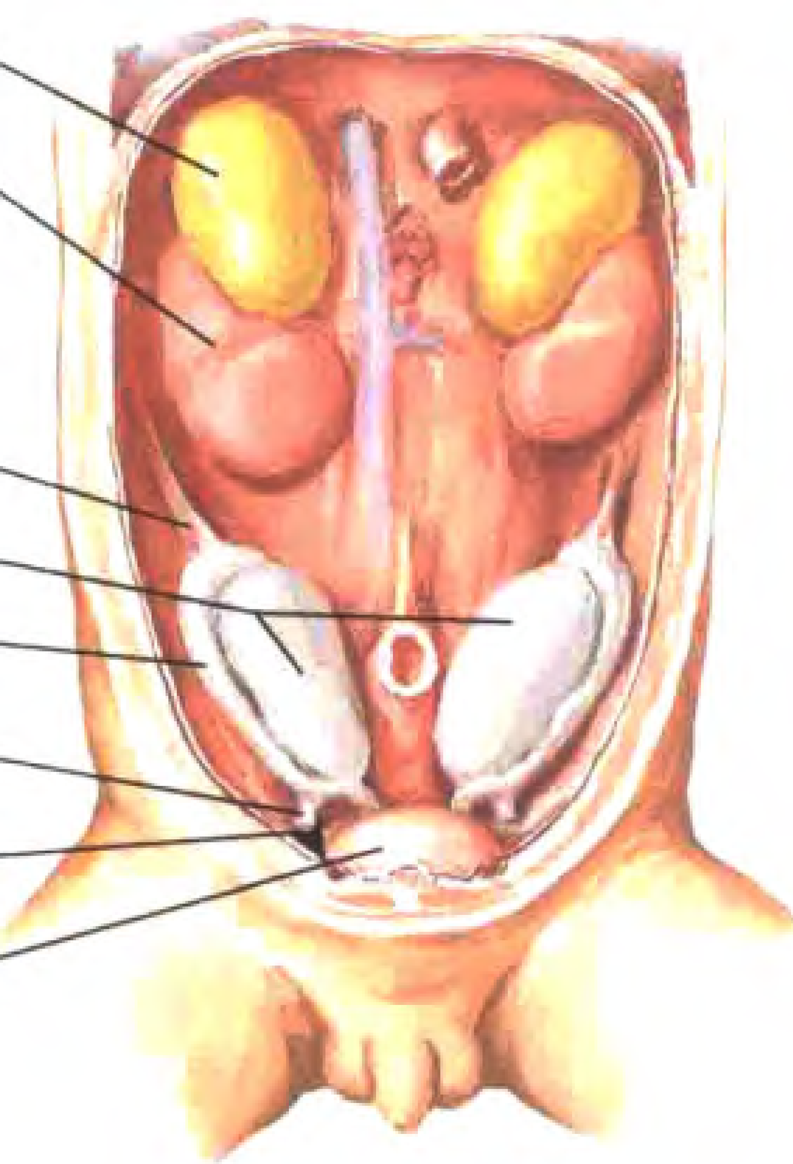
Posterior view
后面观



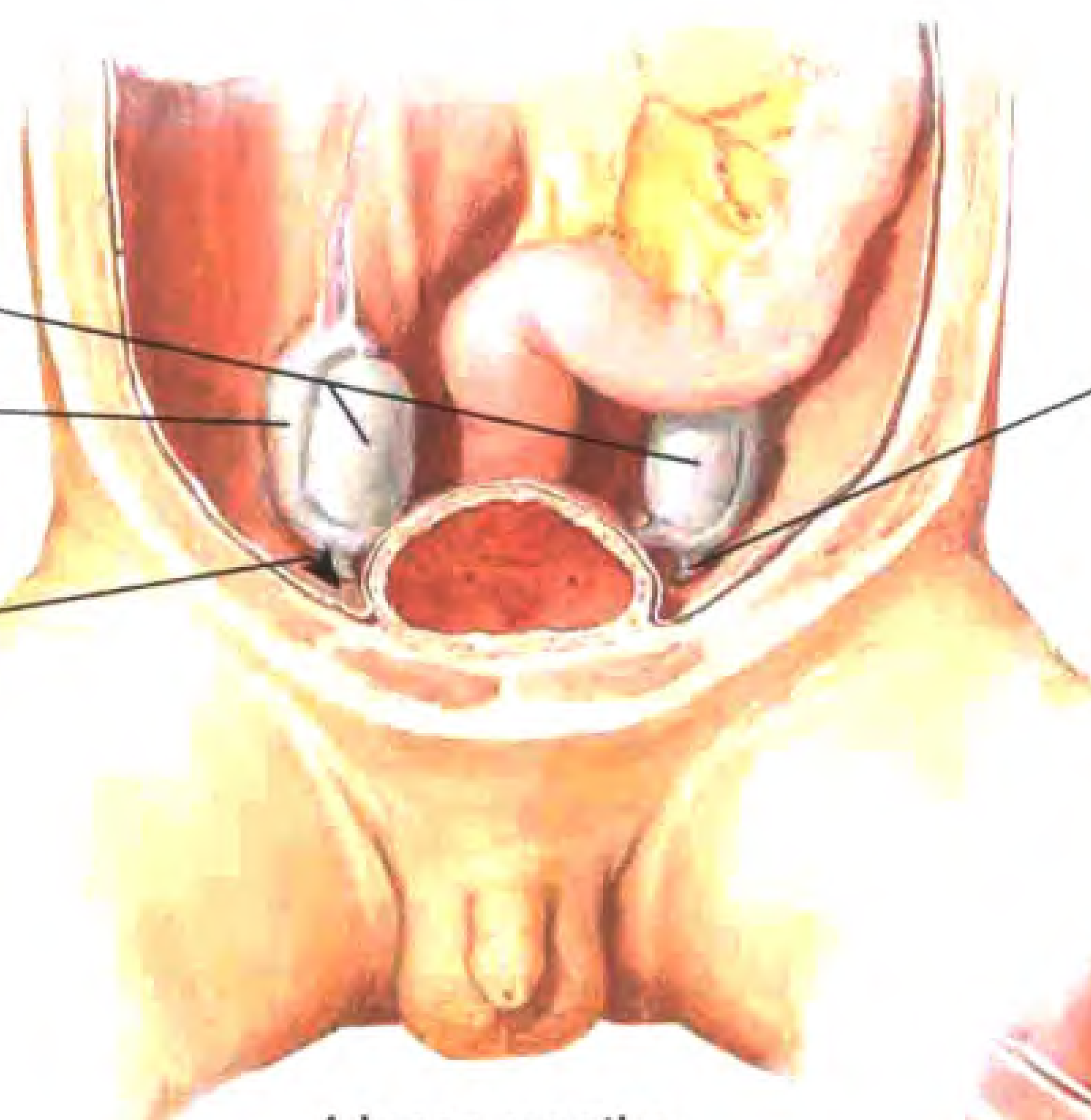
Internal urethral sphincter 尿道内括约肌
Trigone of urinary bladder 膀胱三角
Uvula of bladder 膀胱垂
Prostate 前列腺
Urethral crest 尿道嵴
Prostatic urethra 尿道前列腺部
Prostatic sinuses 前列腺窦
Openings of prostatic ducts 前列腺管开口
Prostatic utricle 前列腺小囊
尿道中间部 (膜部)
Intermediate part of (membranous) urethra
External urethral sphincter muscle 尿道外括约肌
Openings of ejaculatory ducts 射精管开口
阴茎球 Bulb of penis
Crus of penis 阴茎脚
Bulbo-urethral (Cowper's) gland 尿道球(Cowper's)腺
Bulbous portion 球部
Openings of bulbo-urethral ducts 尿道球腺管开口
Corpus cavernosum 阴茎海绵体
Tunica albuginea 白膜
Corpus spongiosum 尿道海绵体
Tunica albuginea 白膜
尿道海绵体部 Spongy (cavernous) urethra
Deep artery of penis 阴茎深动脉
Intercavernous septum of deep (Buck's) fascia 海绵体间隔深(Buck's)筋膜
Pendu-lous (penile) portion 垂(阴茎)部
Urethral lacunae (of Morgagni) and urethral glands (of Littré) 尿道陷窝(Morgagni)和尿道(Littre)腺
Lacuna magna (inconstant) 大陷窝(不恒定)
Navicular fossa 舟状窝
Glans penis 阴茎头
External urethral orifice (meatus) 尿道外口
Roof of urethra 尿道顶面观
Floor of urethra 尿道底面观
F. Netter M.D.
C. Machado M.D.



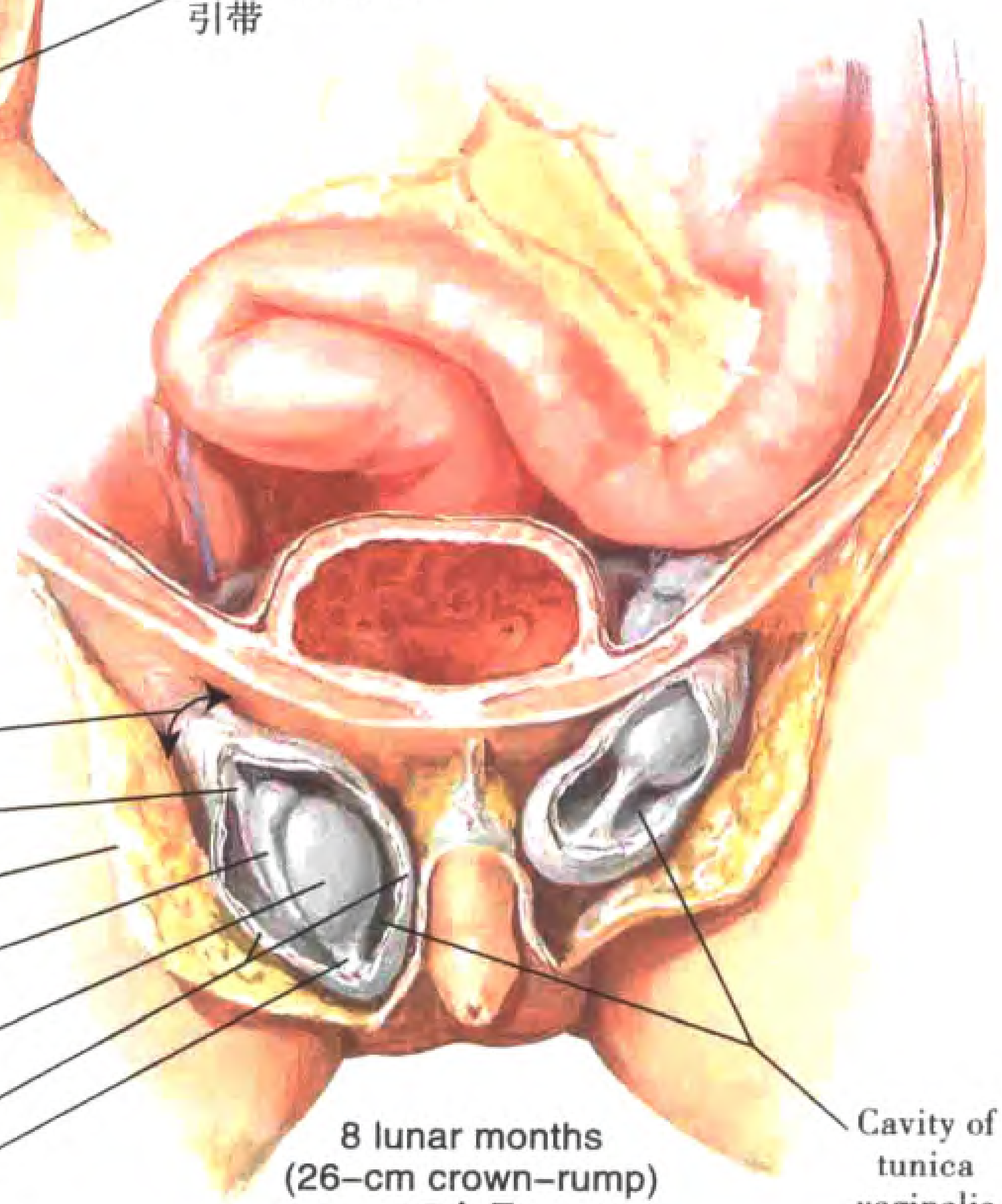
8 weeks
(22.5-mm crown-rump)
8周
顶-臀径22.5mm



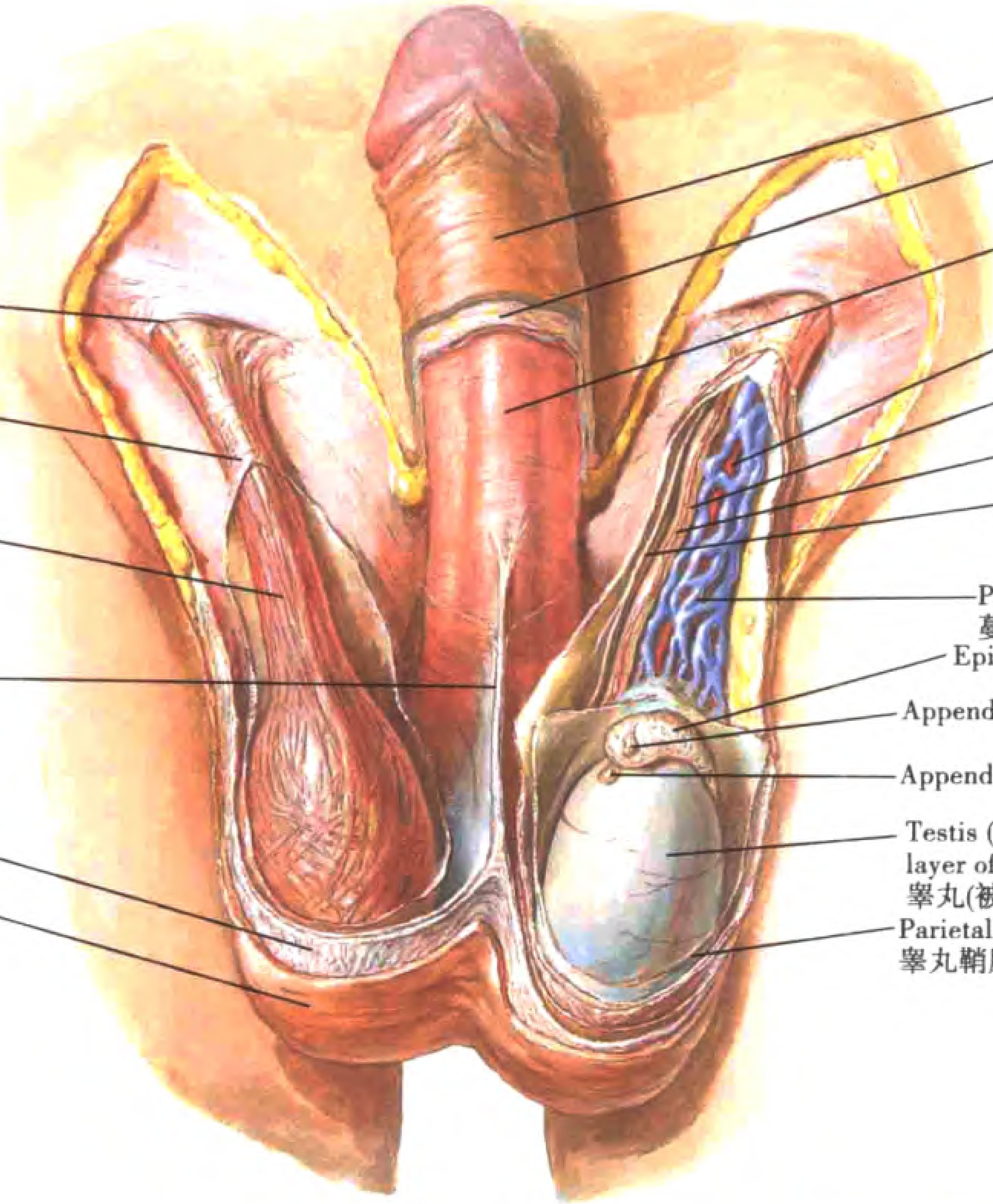
11 weeks
(43-mm crown-rump)
11周
顶-臀径43mm



4 lunar months
(107-mm crown-rump)
4个月
顶-臀径107mm



8 lunar months
(26-cm crown-rump)
8个月
顶-臀径26cm



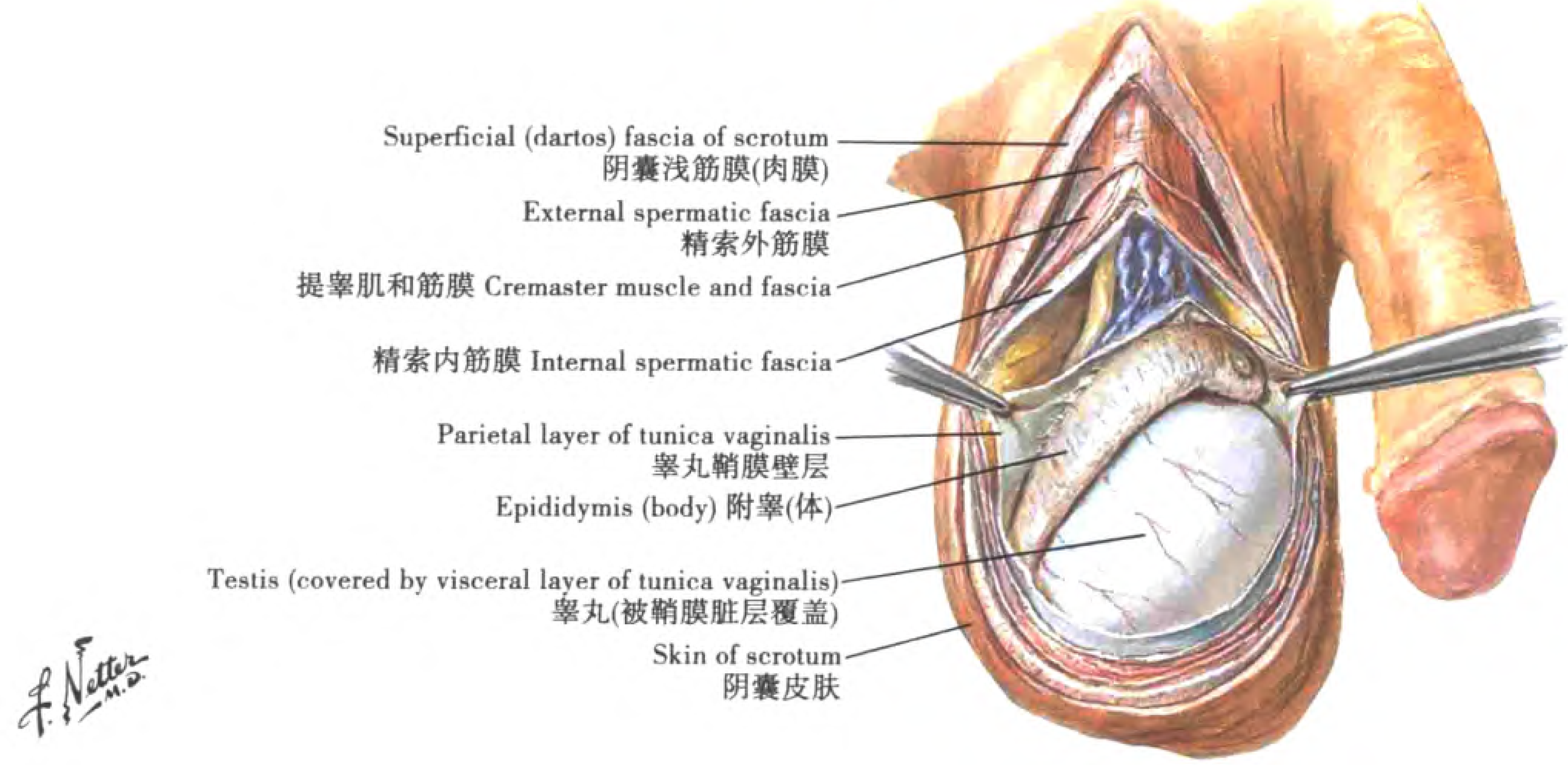


图 365 会阴和外生殖器：男性

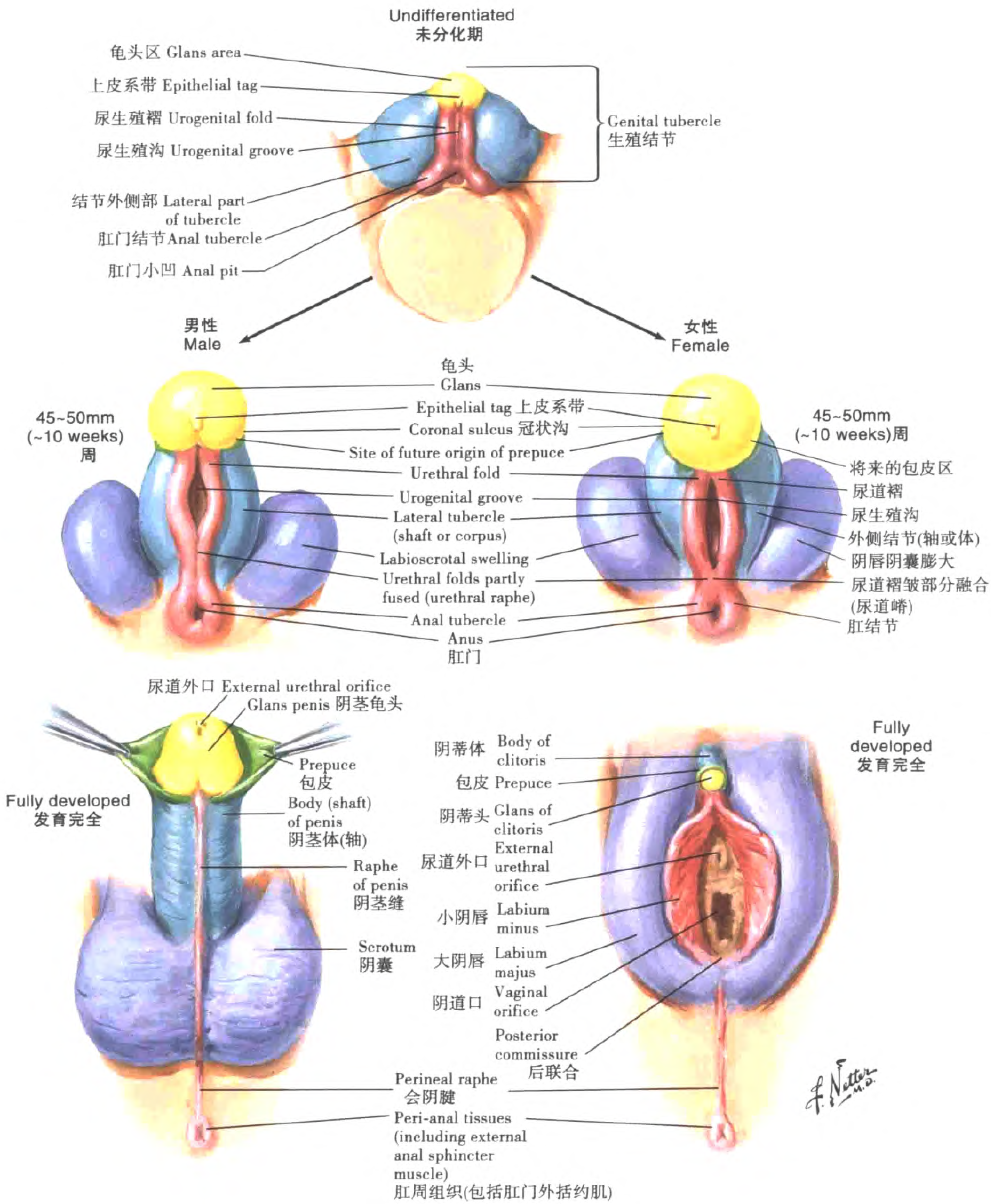


图 366　生殖器的同源性

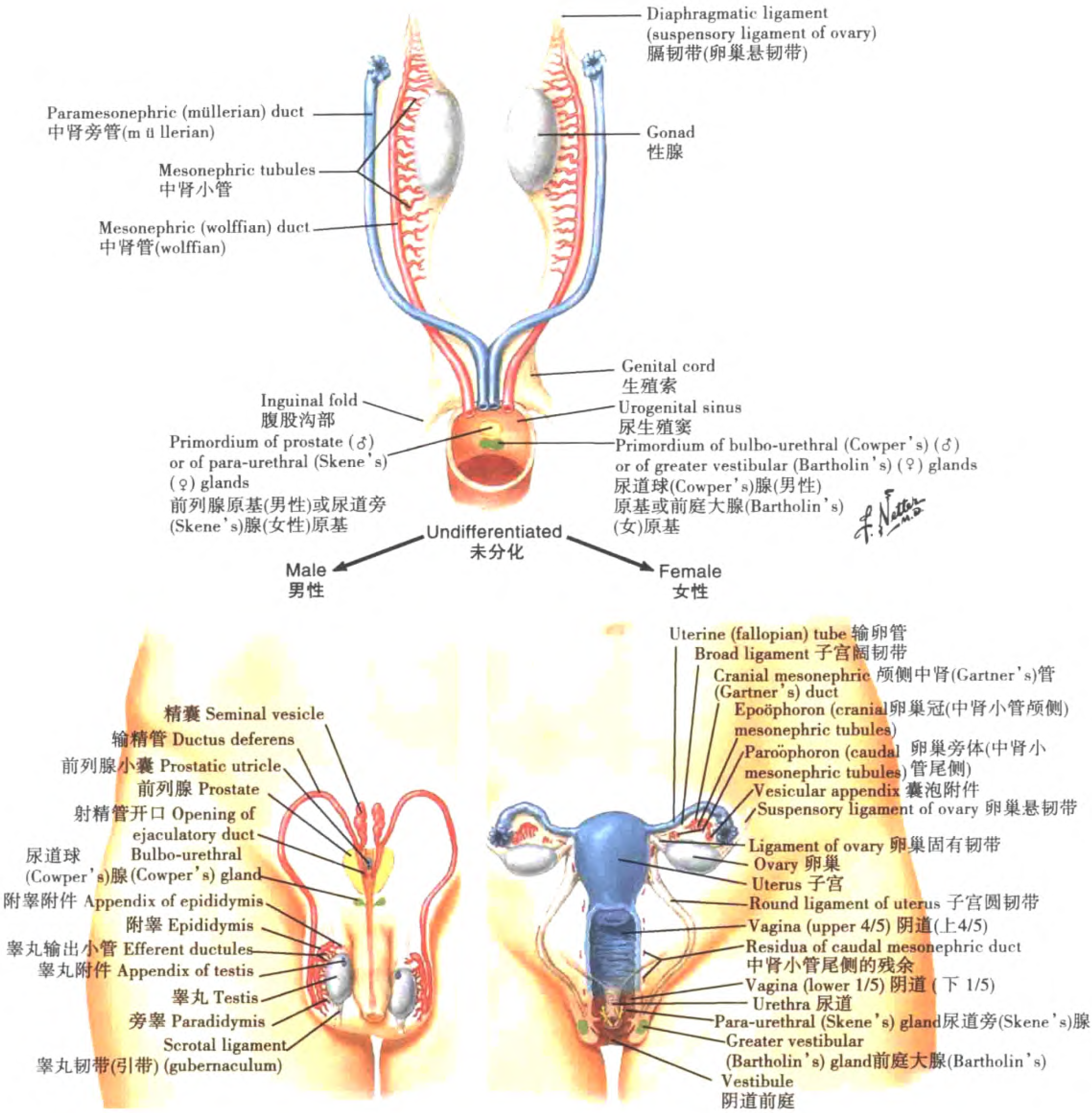
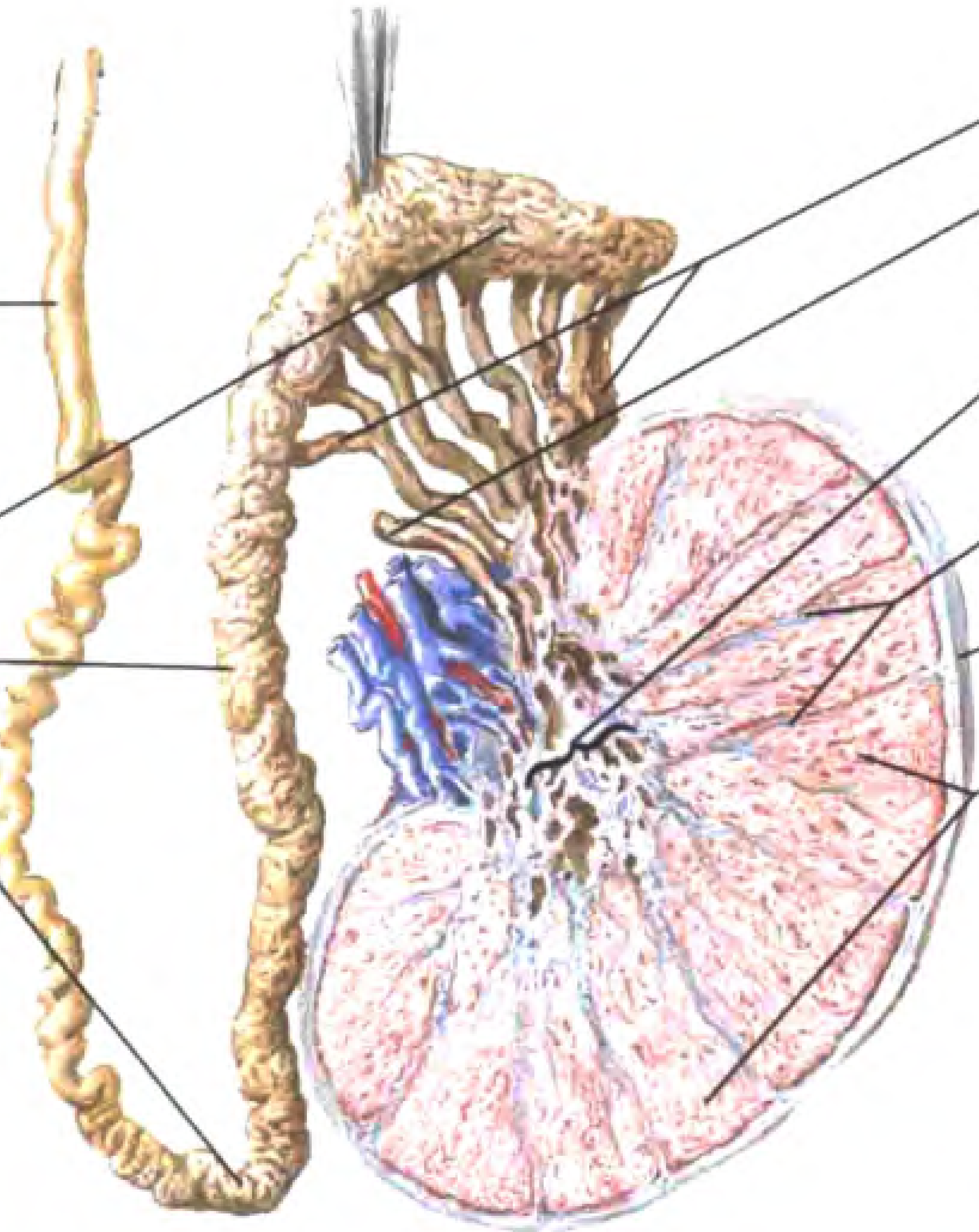
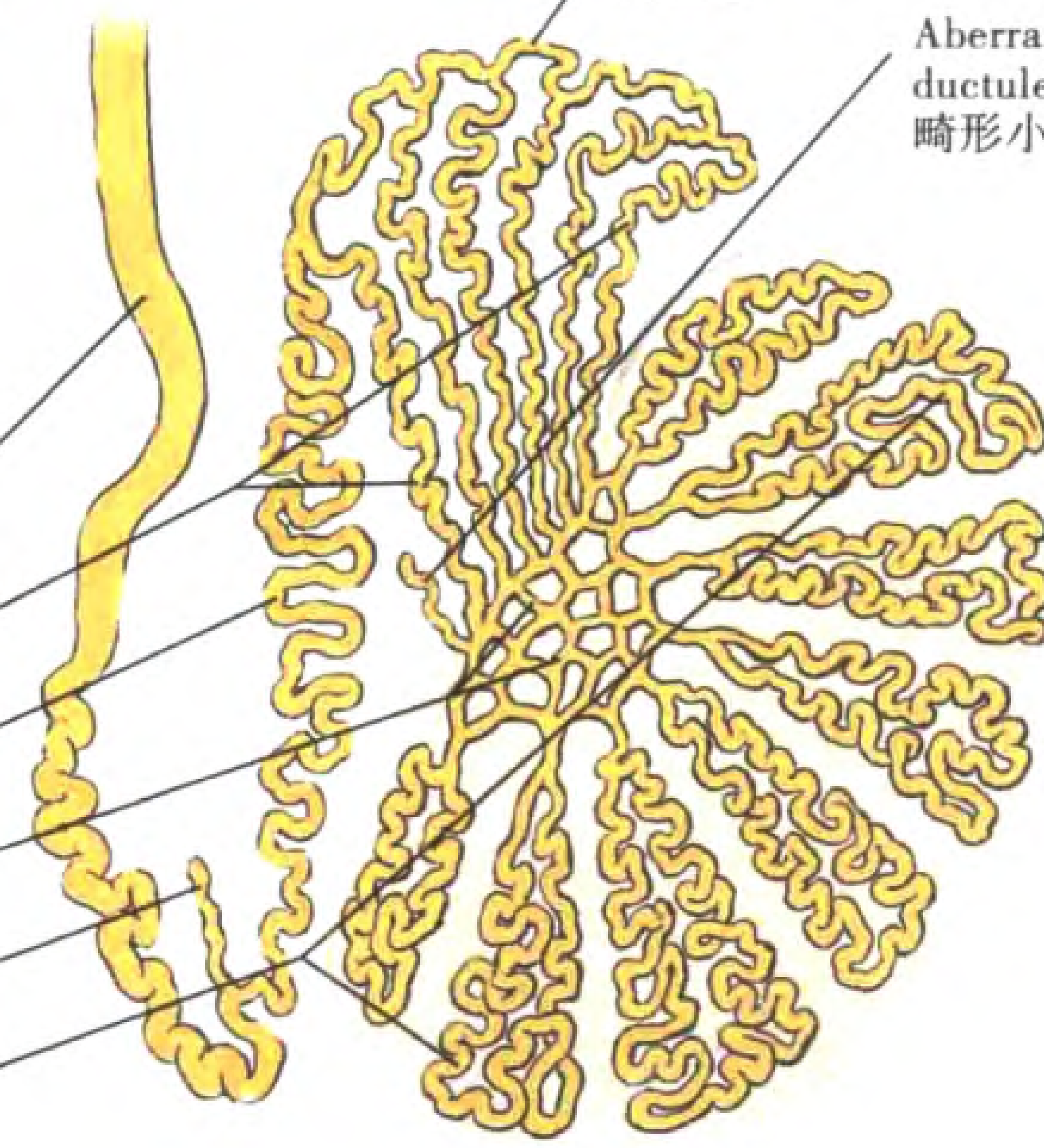


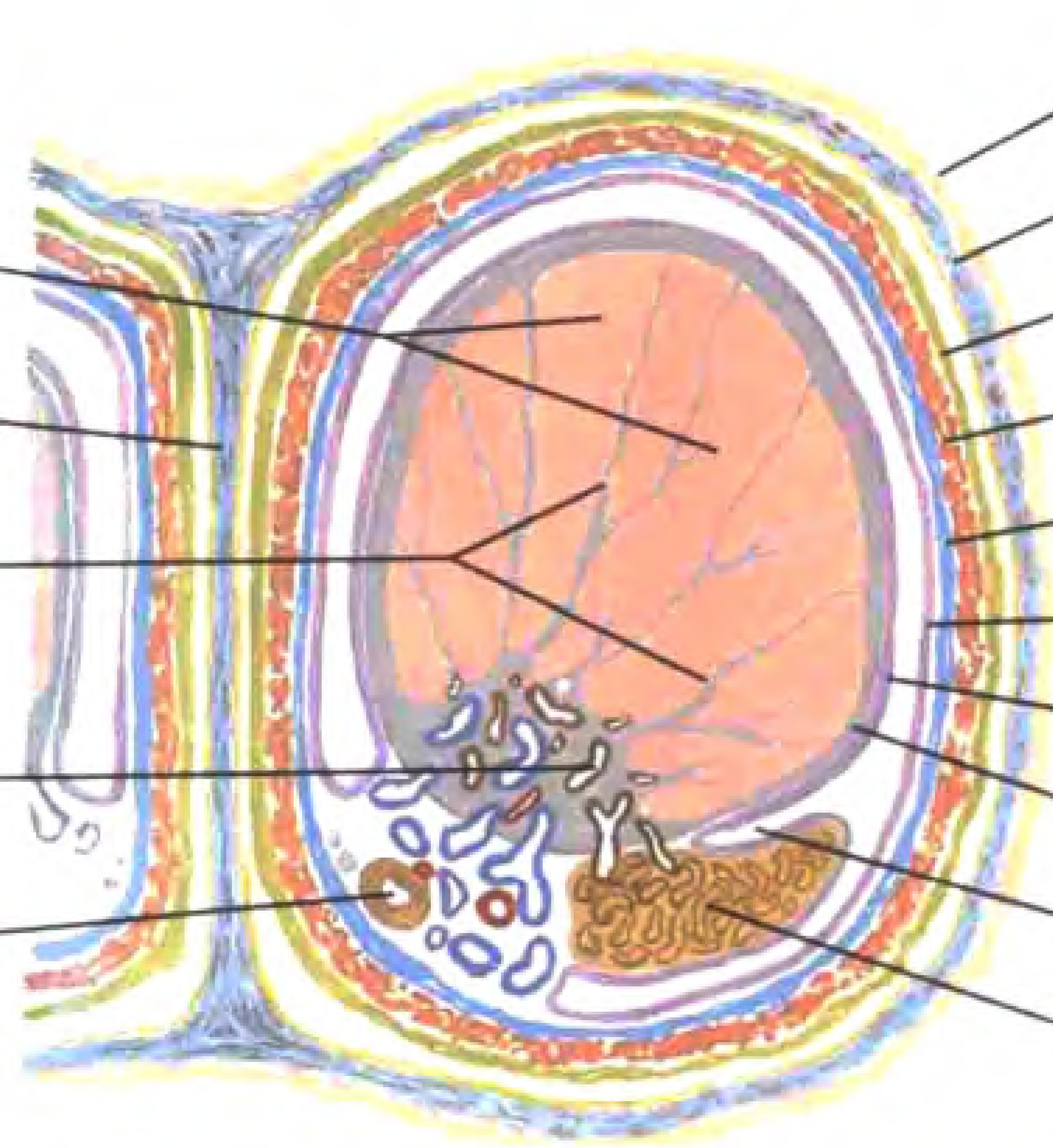
图 367 生殖器的同源性



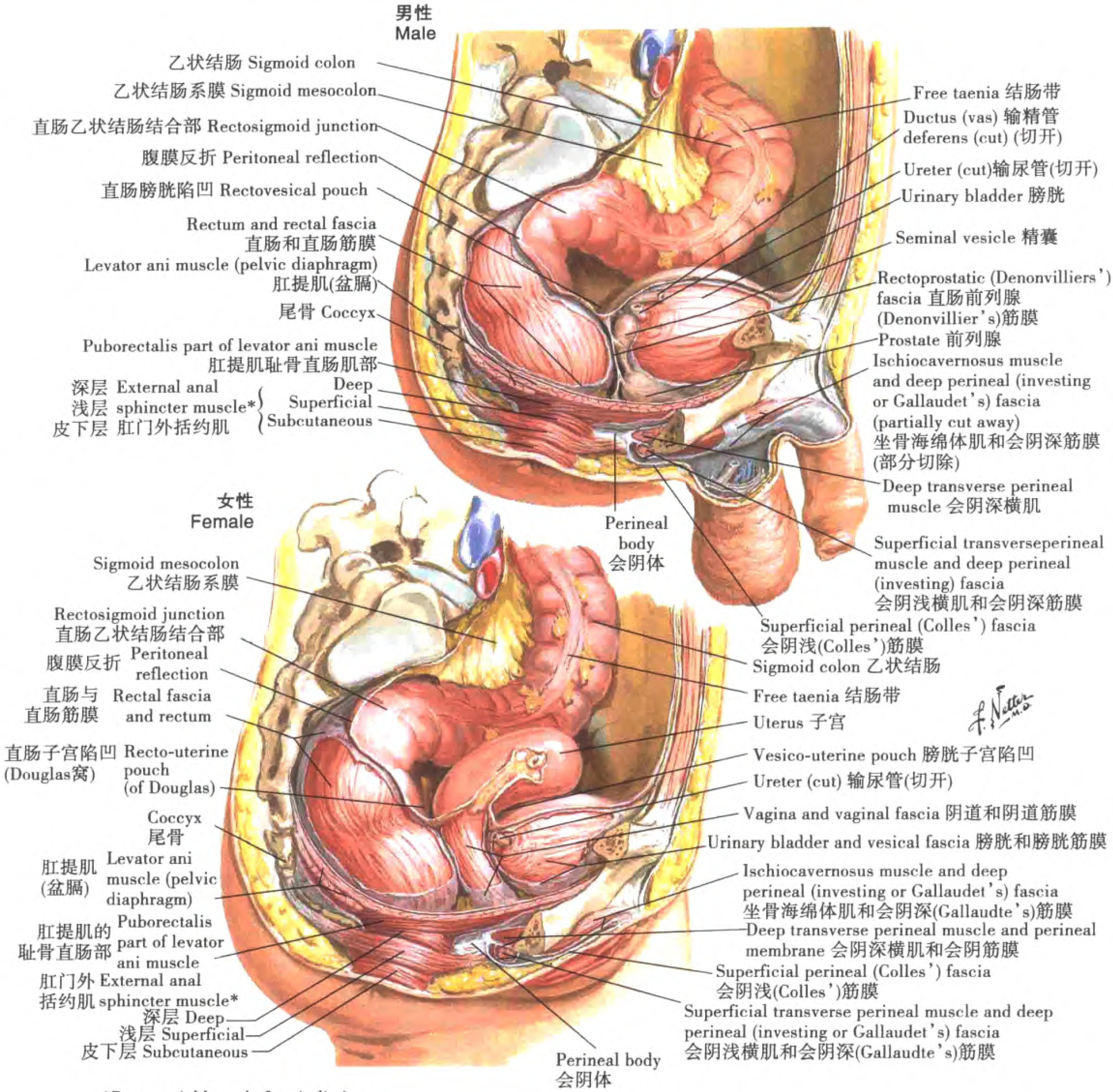
Frontal section
冠状面



Schema 示意图



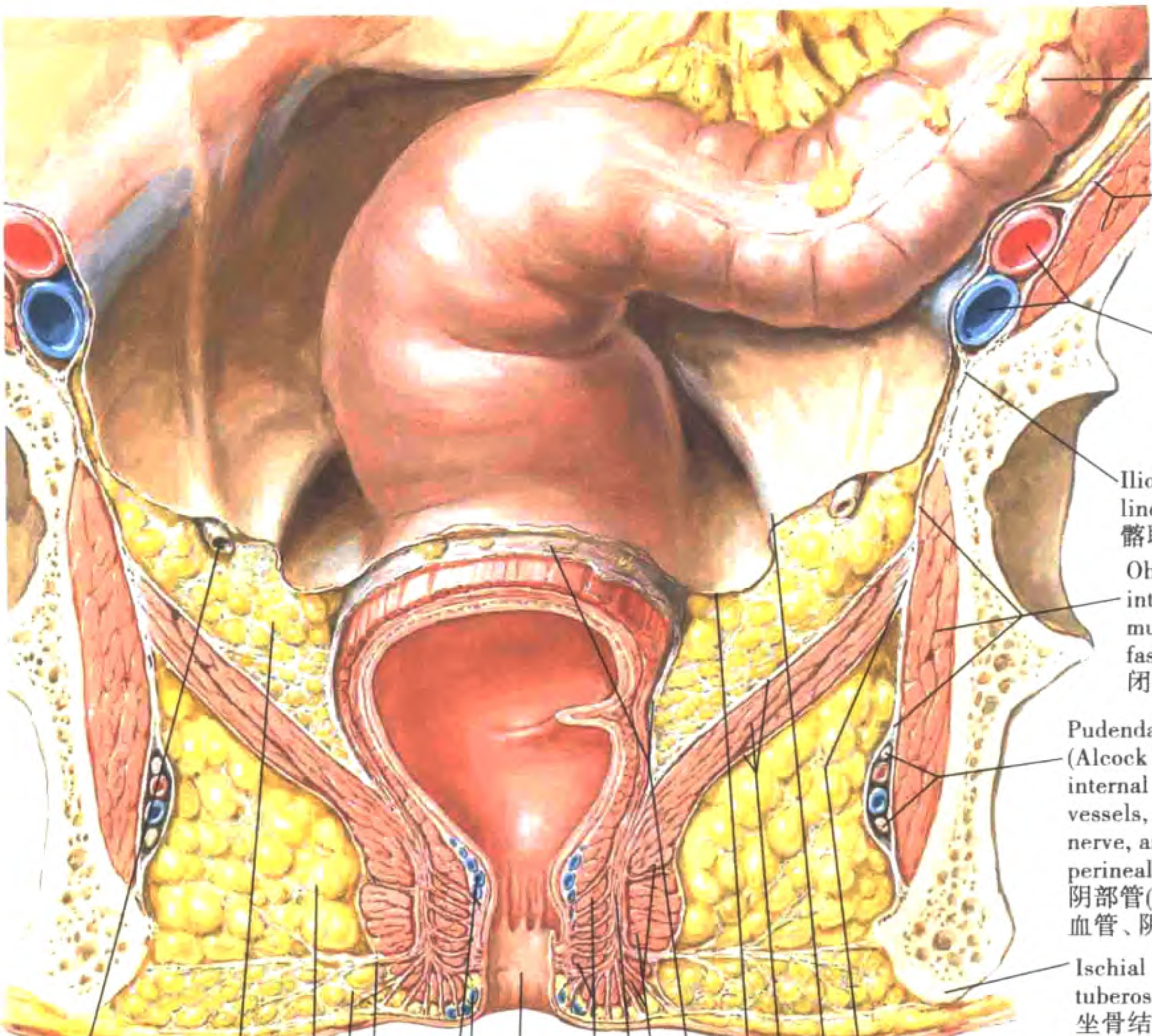
Cross section through scrotum and testis
经阴囊和睾丸横断面

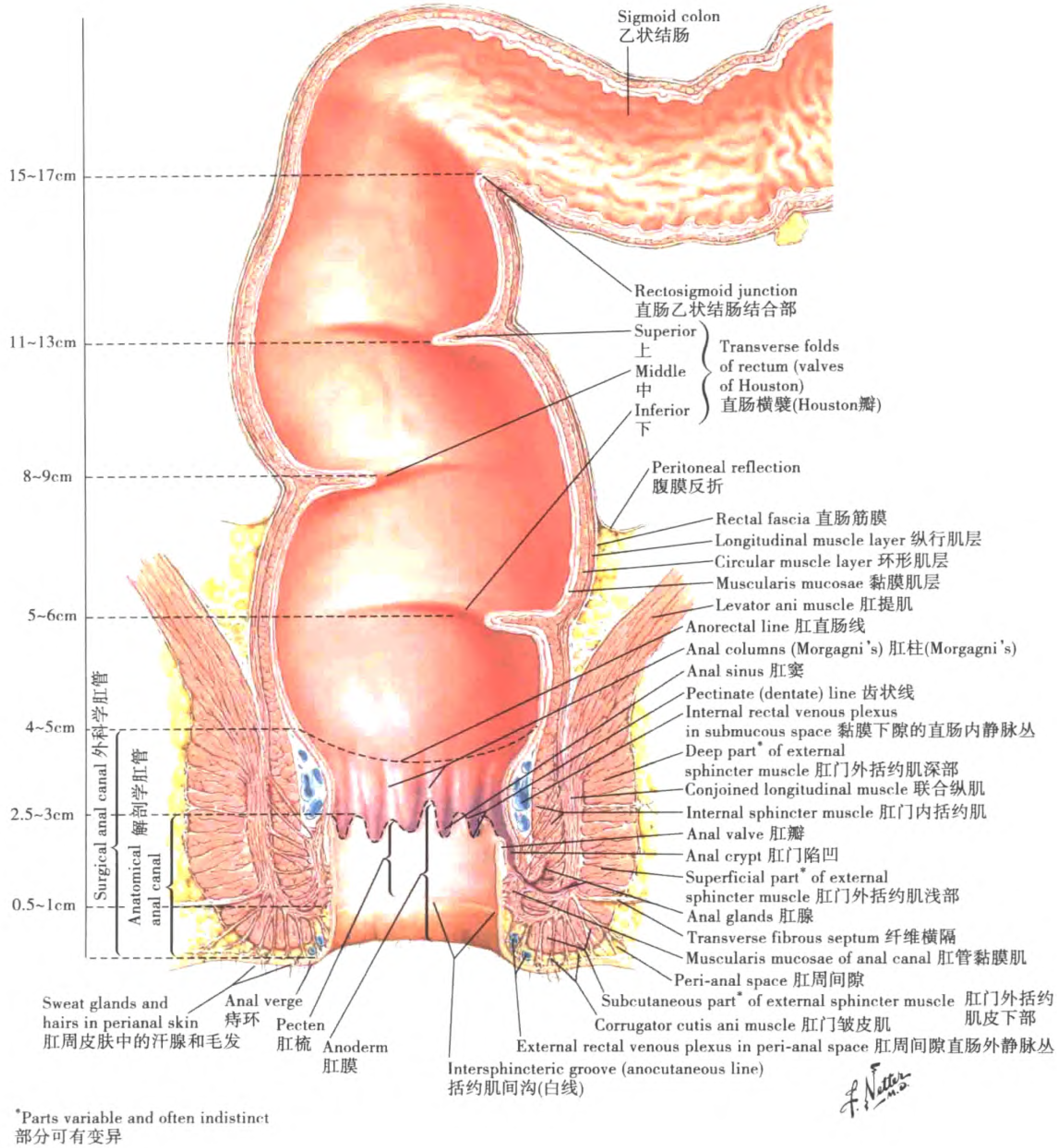


*Parts variable and often indistinct
部分可有变异

图 369 直肠

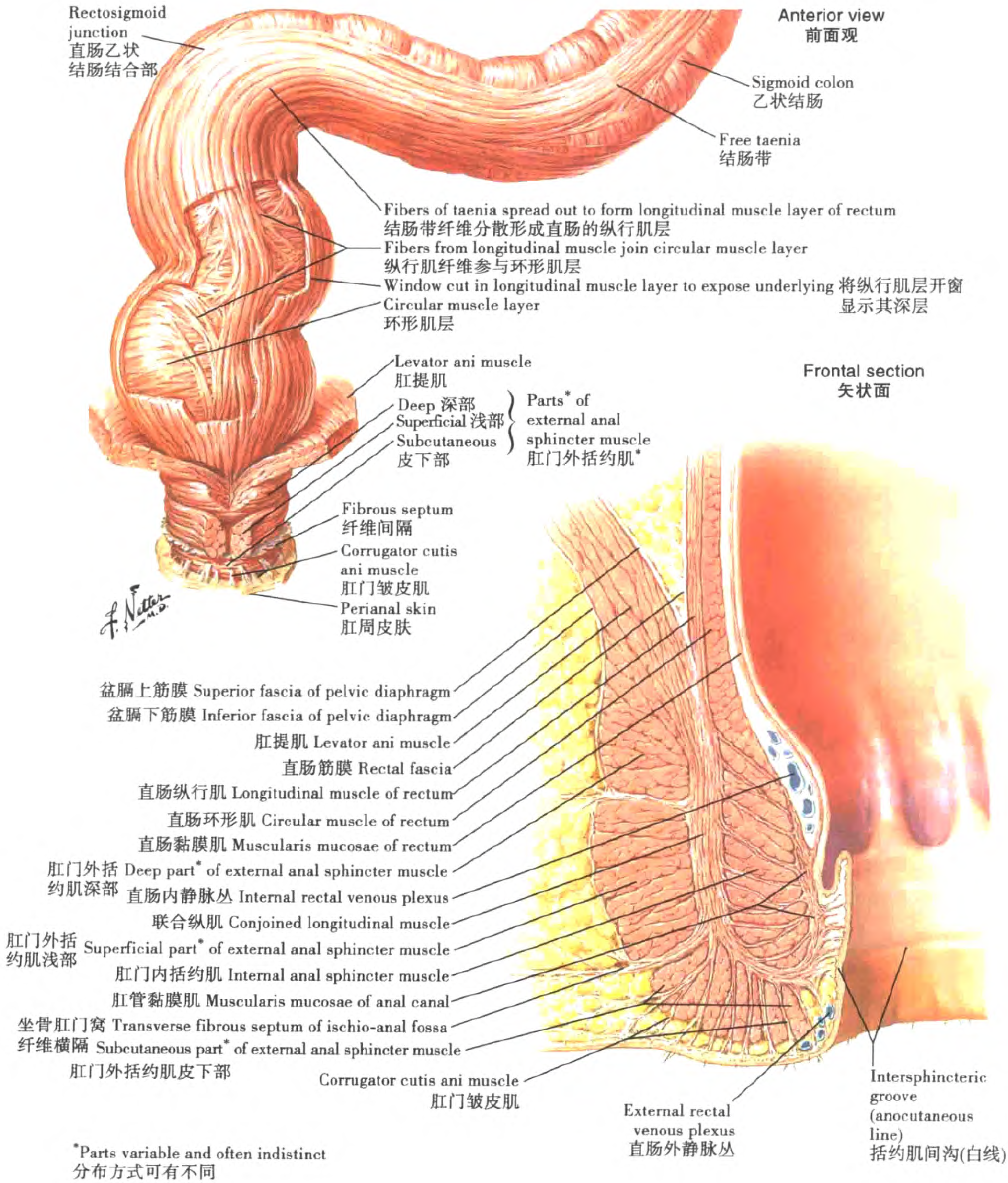
参见图 296, 388


Sigmoid colon 乙状结肠
Iliacus muscle and fasci 髂肌和筋膜
External iliac vessels 髂外血管
Iliopectineal line 髂耻线
Obturator internus muscle and fascia 闭孔内肌和筋膜
Pudendal canal (Alcock's) contains internal pudendal vessels, pudendal nerve, and perineal nerve 阴部管(Alcock's)包括阴部内血管、阴部神经和会阴神经
Ischial tuberosity 坐骨结节
Tendinous arch of levator ani muscle 肛提肌腱弓
Sacrogenital fold (uterosacral in female) 骶生殖襞(女性为骶子宫襞)
Levator ani muscle and superior and inferior fascia of pelvic diaphragm 肛提肌和盆膈上、下筋膜
Peritoneum (cut edge) forming floor of pararectal fossa 形成直肠旁窝底的腹膜(切缘)
Rectal fascia 直肠筋膜
External anal sphincter muscle 肛门外括约肌
Conjoined longitudinal muscle 联合纵行肌
Internal anal sphincter muscle 肛门内括约肌
输尿管 Ureter
腹膜外间隙 (纤维脂肪组织) Extraperitoneal (supralevator) space (fibrofatty tissue)
深部 浅部 (肛周部) 坐骨肛门窝脂肪体 Fat body of ischio-anal fossa Deeper part Superficial (peri-anal) part
Transverse fibrous septum of ischio-anal fossa 坐骨肛门窝纤维横隔
Submucous space (internal venous plexus) 黏膜下间隙(内静脉丛)
Peri-anal space (external venous plexus) 肛周间隙(外静脉丛)
Intersphincteric groove (anocutaneous line) 括约肌间沟(肛皮线)
F. Netter M.D.



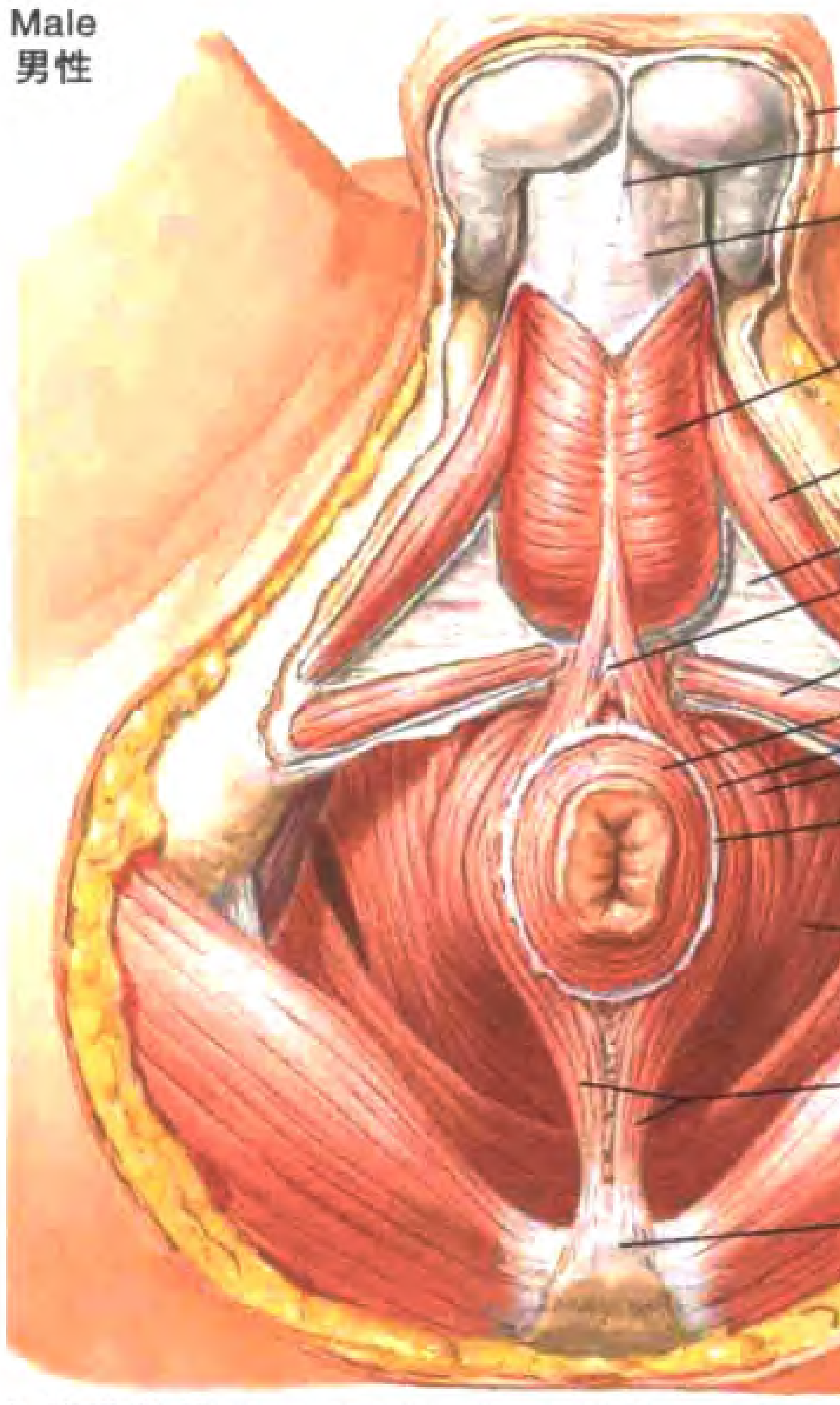
*Parts variable and often indistinct
部分可有变异

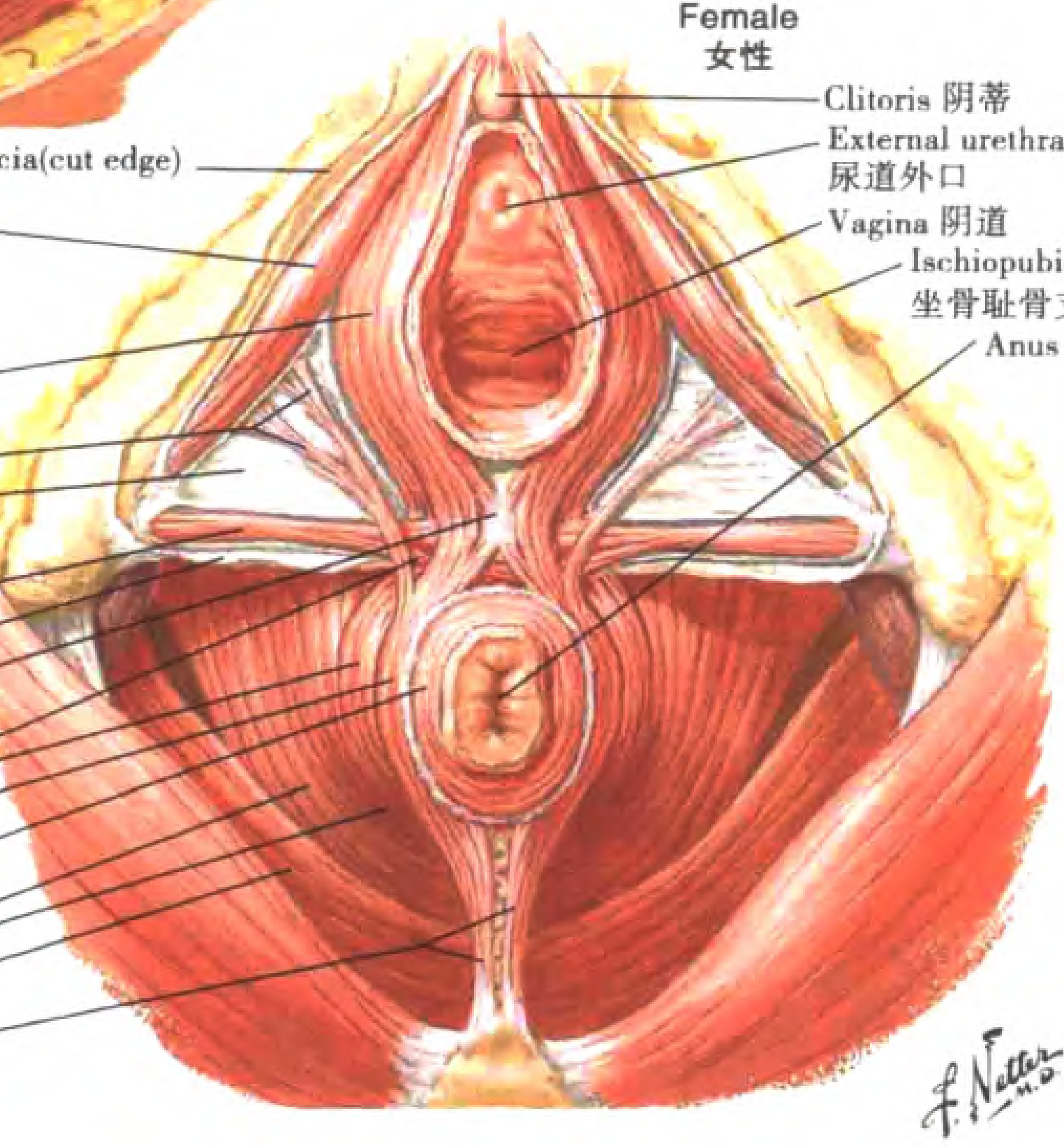
图 371 直肠



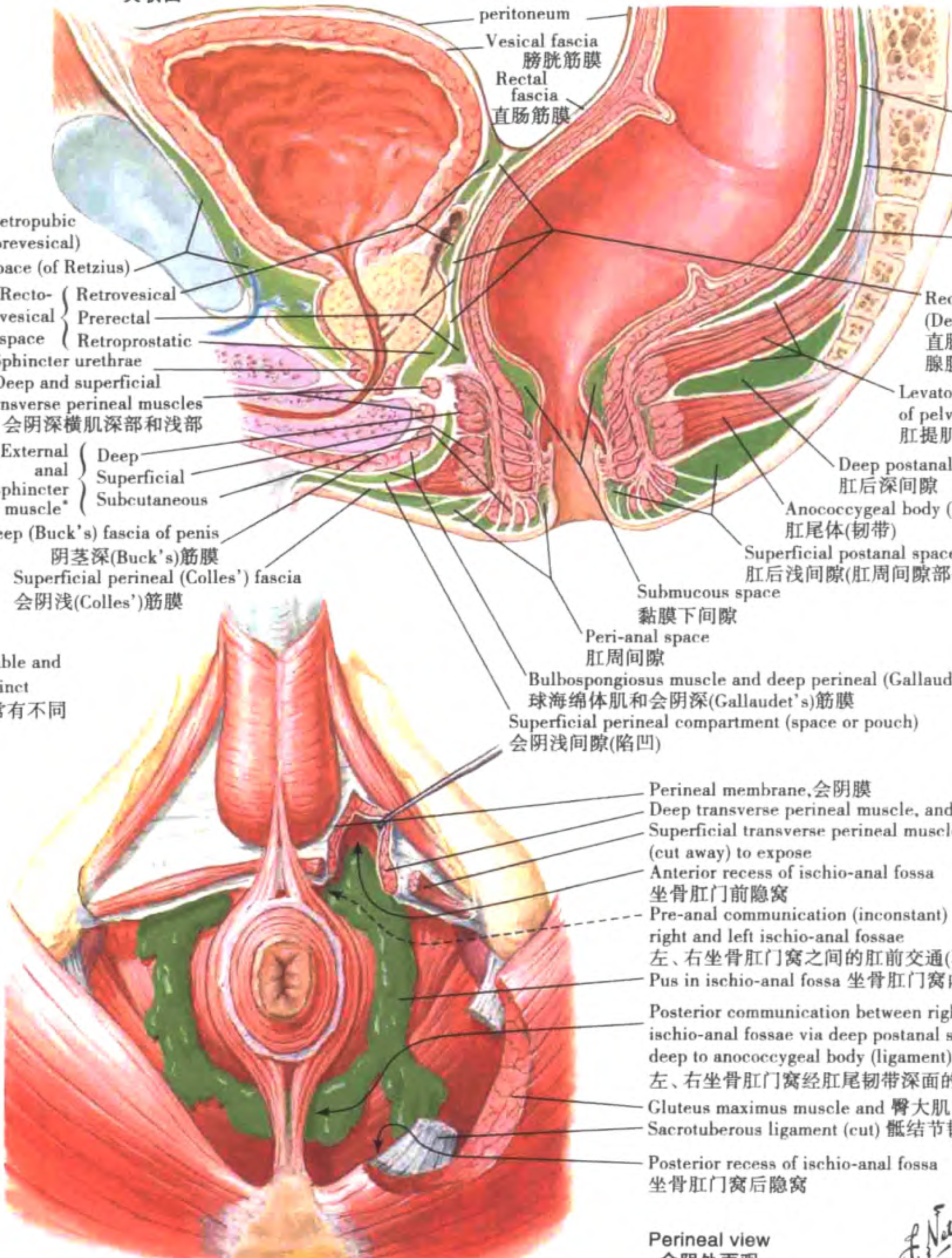
*Parts variable and often indistinct
分布方式可有不同

图 372 直肠



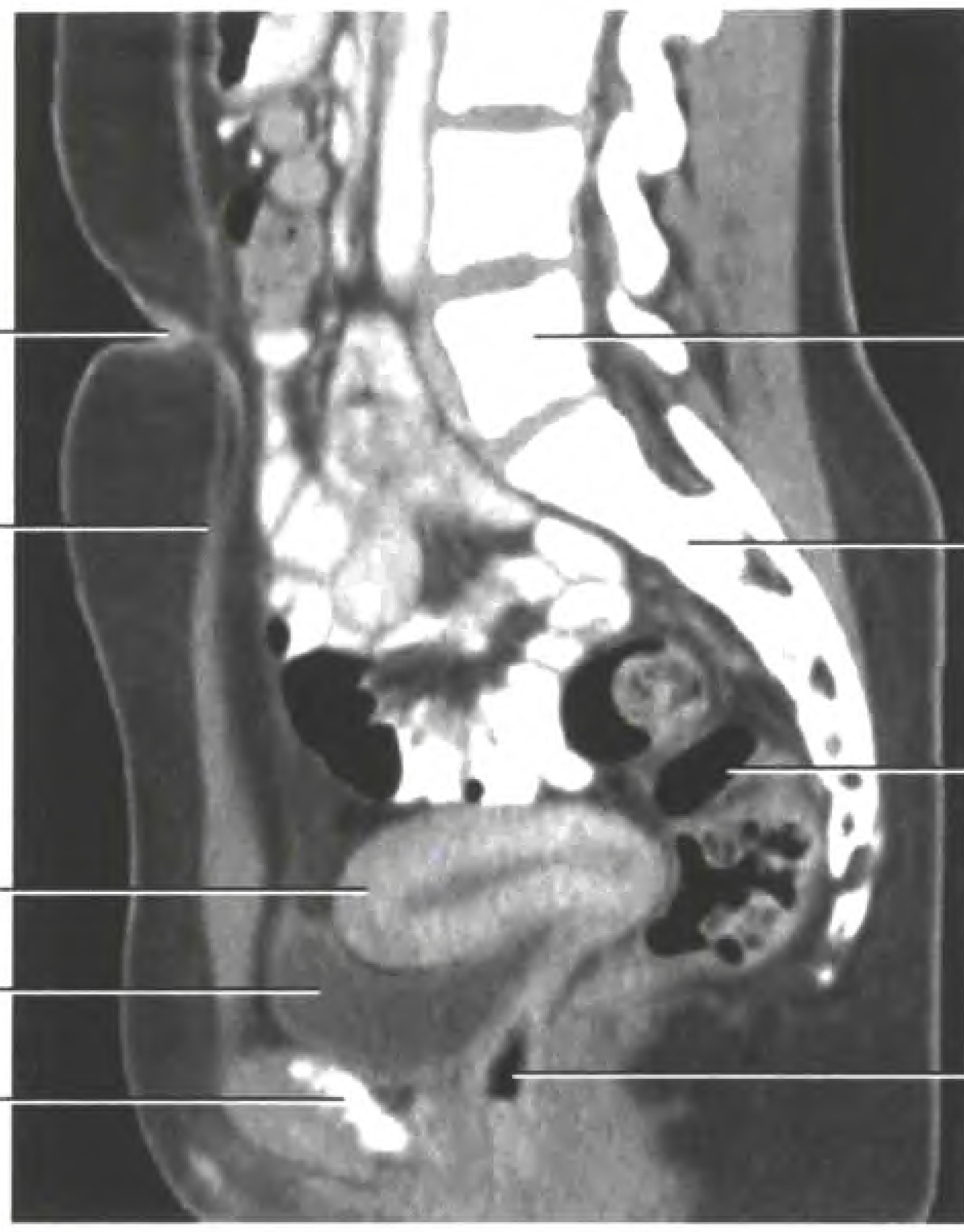


*Parts variable and often indistinct
分部可有变异



Spread of perineal abscess in perineal spaces
脓肿在会阴间隙内扩散的途径

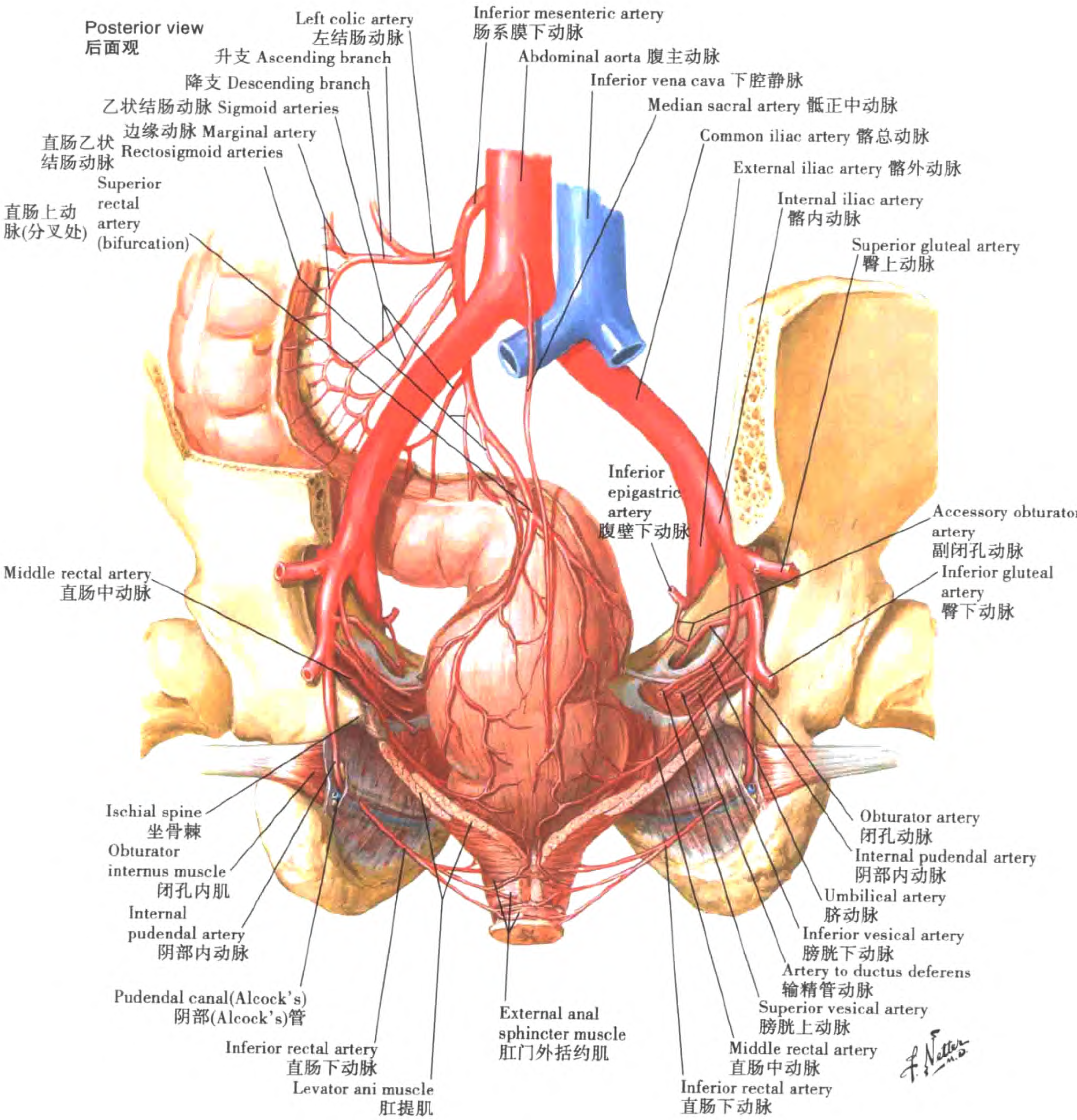
Female
女性



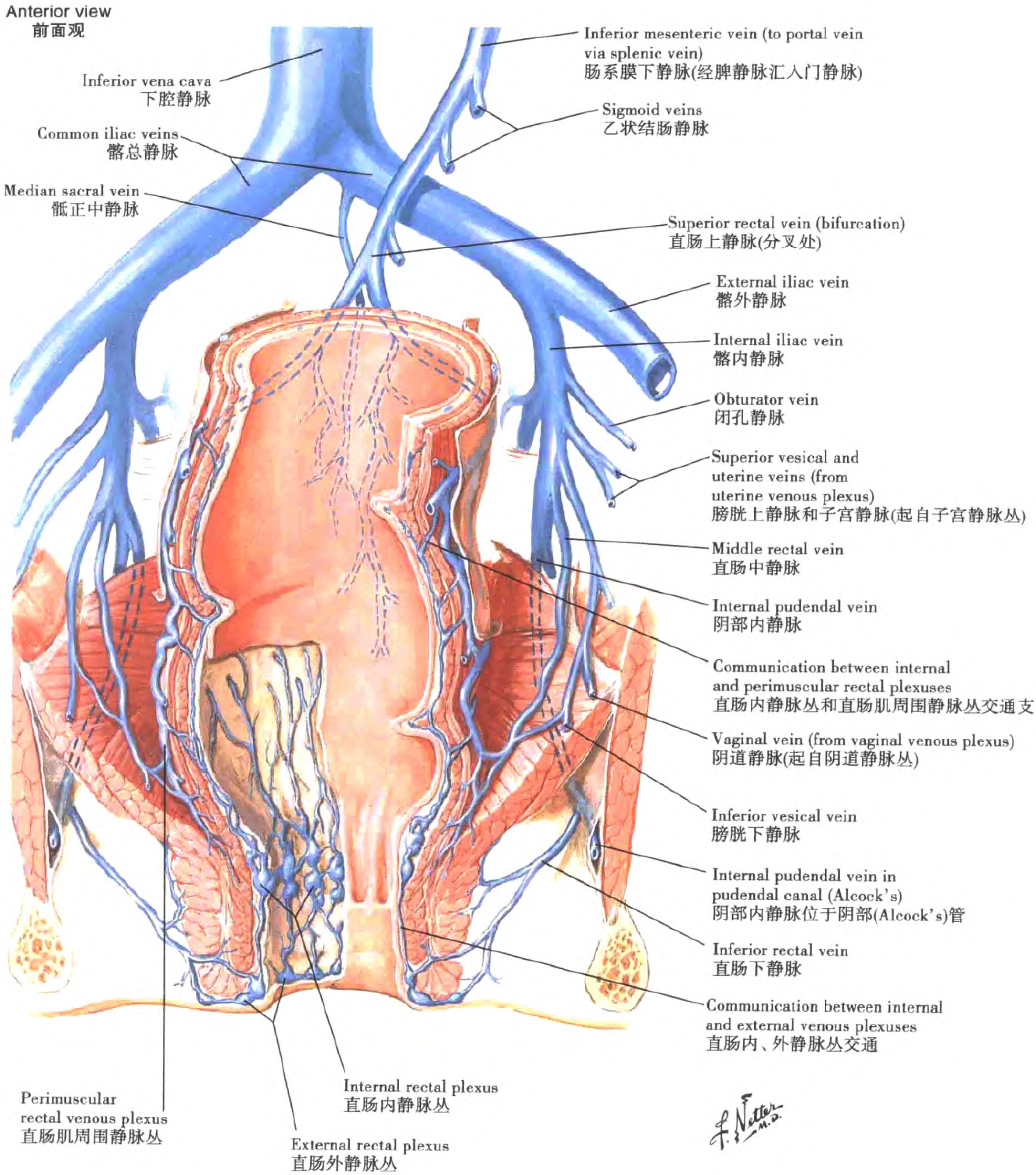
Male
男性



图 375 局部扫描成像



Posterior view
后面观
Left colic artery
左结肠动脉
升支 Ascending branch
降支 Descending branch
乙状结肠动脉 Sigmoid arteries
边缘动脉 Marginal artery
直肠乙状结肠动脉
Rectosigmoid arteries
直肠上动脉(分叉处)
Superior rectal artery (bifurcation)
Inferior mesenteric artery
肠系膜下动脉
Abdominal aorta 腹主动脉
Inferior vena cava 下腔静脉
Median sacral artery 骶正中动脉
Common iliac artery 髂总动脉
External iliac artery 髂外动脉
Internal iliac artery
髂内动脉
Superior gluteal artery
臀上动脉
Inferior epigastric artery
腹壁下动脉
Accessory obturator artery
副闭孔动脉
Inferior gluteal artery
臀下动脉
Middle rectal artery
直肠中动脉
Ischial spine
坐骨棘
Obturator internus muscle
闭孔内肌
Internal pudendal artery
阴部内动脉
Pudendal canal(Alcock's)
阴部(Alcock's)管
Inferior rectal artery
直肠下动脉
Levator ani muscle
肛提肌
External anal sphincter muscle
肛门外括约肌
Obturator artery
闭孔动脉
Internal pudendal artery
阴部内动脉
Umbilical artery
脐动脉
Inferior vesical artery
膀胱下动脉
Artery to ductus deferens
输精管动脉
Superior vesical artery
膀胱上动脉
Middle rectal artery
直肠中动脉
Inferior rectal artery
直肠下动脉
F. Netter M.D.


Anterior view
前面观
Inferior vena cava
下腔静脉
Common iliac veins
髂总静脉
Median sacral vein
骶正中静脉
Inferior mesenteric vein (to portal vein via splenic vein)
肠系膜下静脉(经脾静脉汇入门静脉)
Sigmoid veins
乙状结肠静脉
Superior rectal vein (bifurcation)
直肠上静脉(分叉处)
External iliac vein
髂外静脉
Internal iliac vein
髂内静脉
Obturator vein
闭孔静脉
Superior vesical and uterine veins (from uterine venous plexus)
膀胱上静脉和子宫静脉(起自子宫静脉丛)
Middle rectal vein
直肠中静脉
Internal pudendal vein
阴部内静脉
Communication between internal and perimuscular rectal plexuses
直肠内静脉丛和直肠肌周围静脉丛交通支
Vaginal vein (from vaginal venous plexus)
阴道静脉(起自阴道静脉丛)
Inferior vesical vein
膀胱下静脉
Internal pudendal vein in pudendal canal (Alcock's)
阴部内静脉位于阴部(Alcock's)管
Inferior rectal vein
直肠下静脉
Communication between internal and external venous plexuses
直肠内、外静脉丛交通
Perimuscular rectal venous plexus
直肠肌周围静脉丛
Internal rectal plexus
直肠内静脉丛
External rectal plexus
直肠外静脉丛

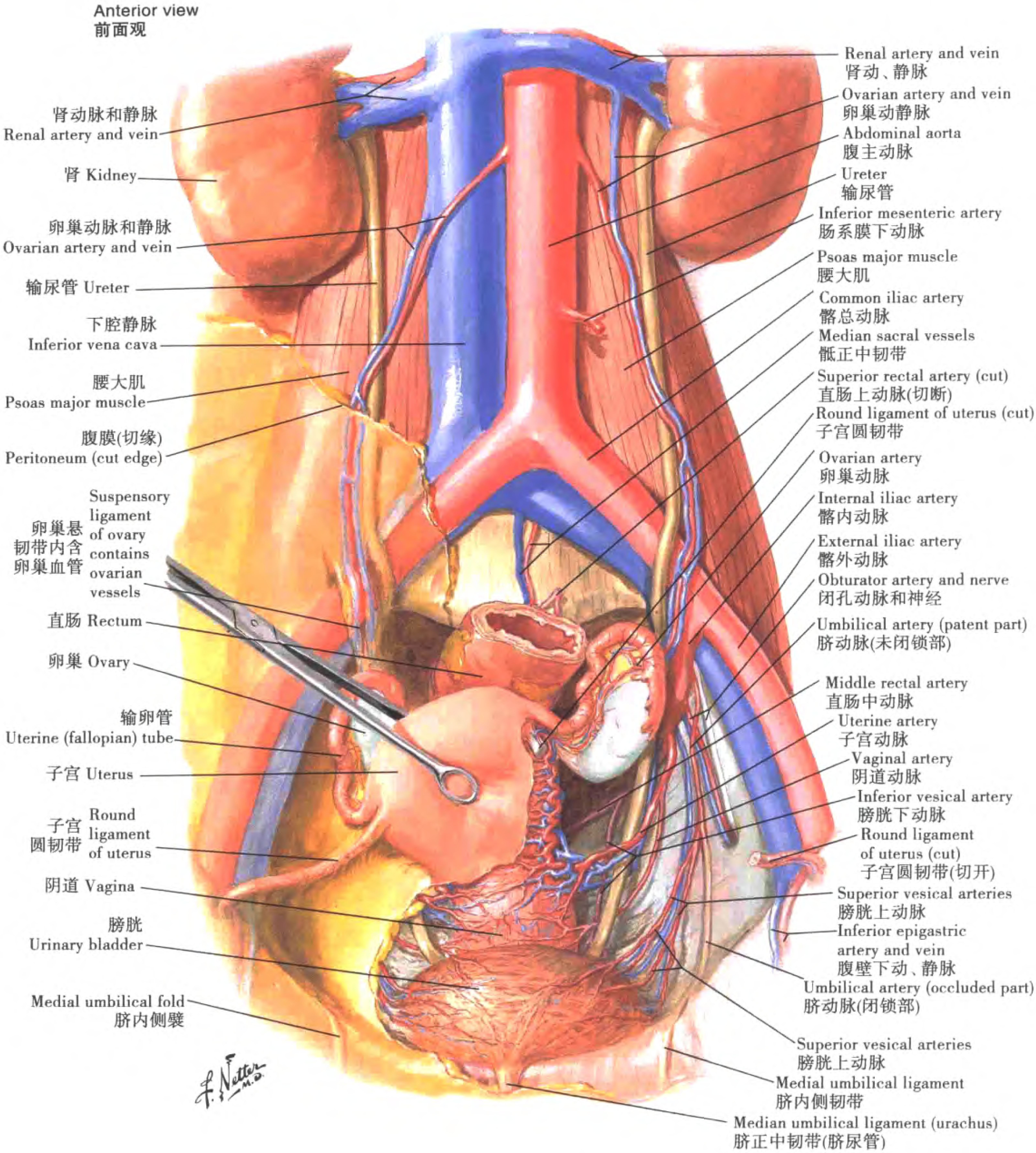
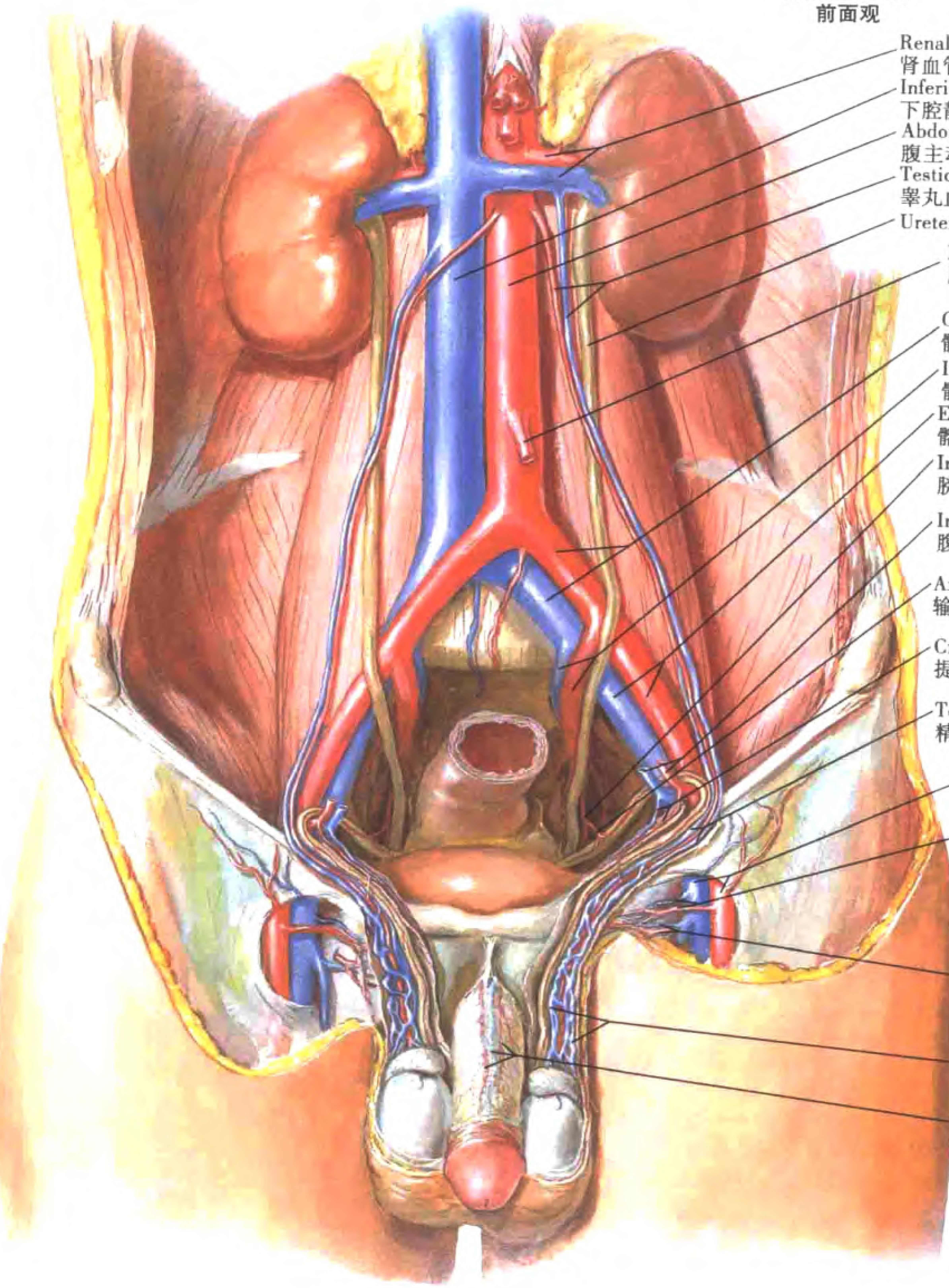
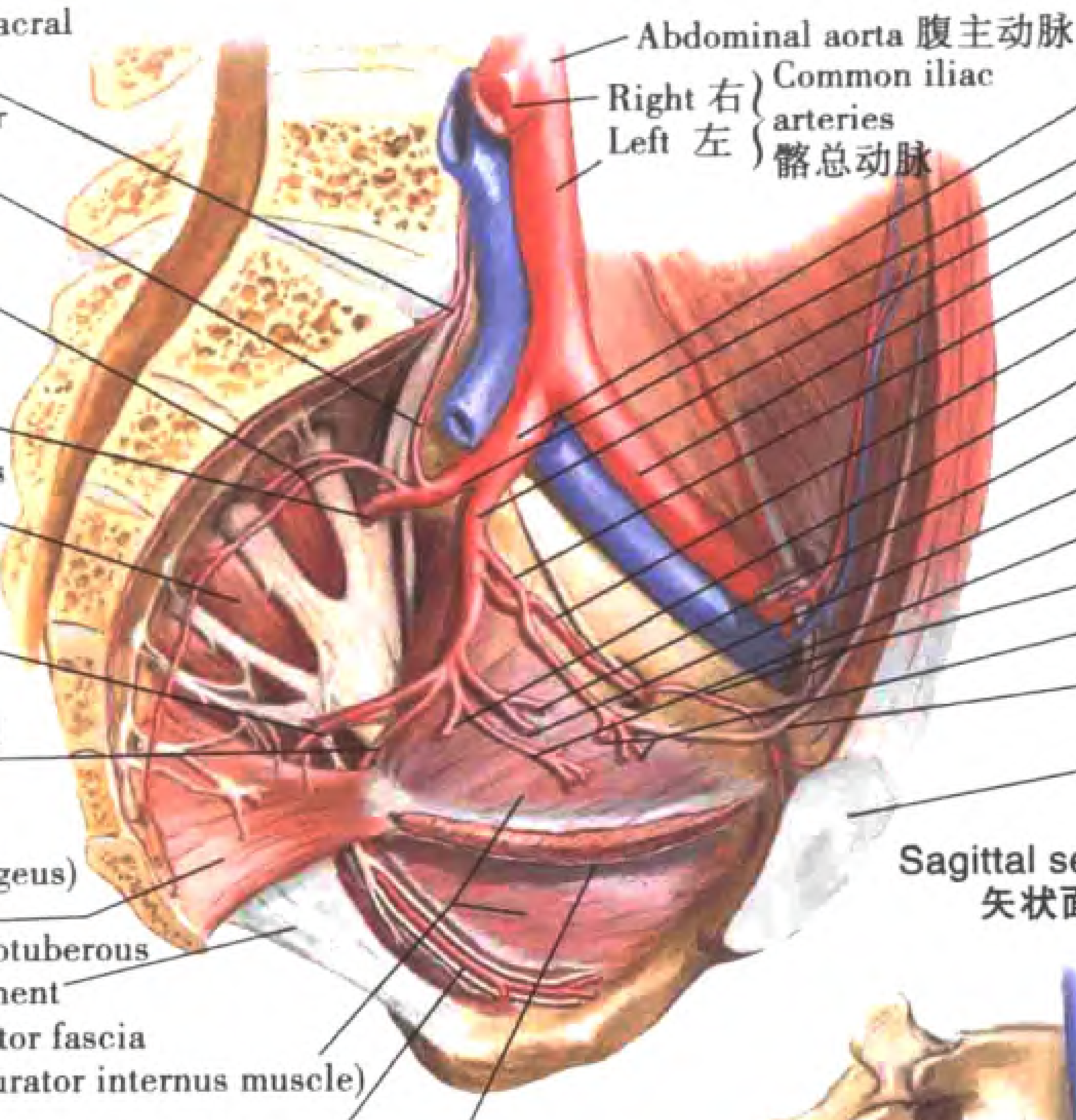

Anterior view
前面观
Renal artery and vein
肾动、静脉
Ovarian artery and vein
卵巢动静脉
Abdominal aorta
腹主动脉
Ureter
输尿管
Inferior mesenteric artery
肠系膜下动脉
Psoas major muscle
腰大肌
Common iliac artery
髂总动脉
Median sacral vessels
骶正中韧带
Superior rectal artery (cut)
直肠上动脉(切断)
Round ligament of uterus (cut)
子宫圆韧带
Ovarian artery
卵巢动脉
Internal iliac artery
髂内动脉
External iliac artery
髂外动脉
Obturator artery and nerve
闭孔动脉和神经
Umbilical artery (patent part)
脐动脉(未闭锁部)
Middle rectal artery
直肠中动脉
Uterine artery
子宫动脉
Vaginal artery
阴道动脉
Inferior vesical artery
膀胱下动脉
Round ligament of uterus (cut)
子宫圆韧带(切开)
Superior vesical arteries
膀胱上动脉
Inferior epigastric artery and vein
腹壁下动、静脉
Umbilical artery (occluded part)
脐动脉(闭锁部)
Superior vesical arteries
膀胱上动脉
Medial umbilical ligament
脐内侧韧带
Median umbilical ligament (urachus)
脐正中韧带(脐尿管)
肾动脉和静脉
Renal artery and vein
肾 Kidney
卵巢动脉和静脉
Ovarian artery and vein
输尿管 Ureter
下腔静脉
Inferior vena cava
腰大肌
Psoas major muscle
腹膜(切缘)
Peritoneum (cut edge)
卵巢悬韧带内含卵巢血管
Suspensory ligament of ovary contains ovarian vessels
直肠 Rectum
卵巢 Ovary
输卵管
Uterine (fallopian) tube
子宫 Uterus
子宫圆韧带
Round ligament of uterus
阴道 Vagina
膀胱
Urinary bladder
Medial umbilical fold
脐内侧襞
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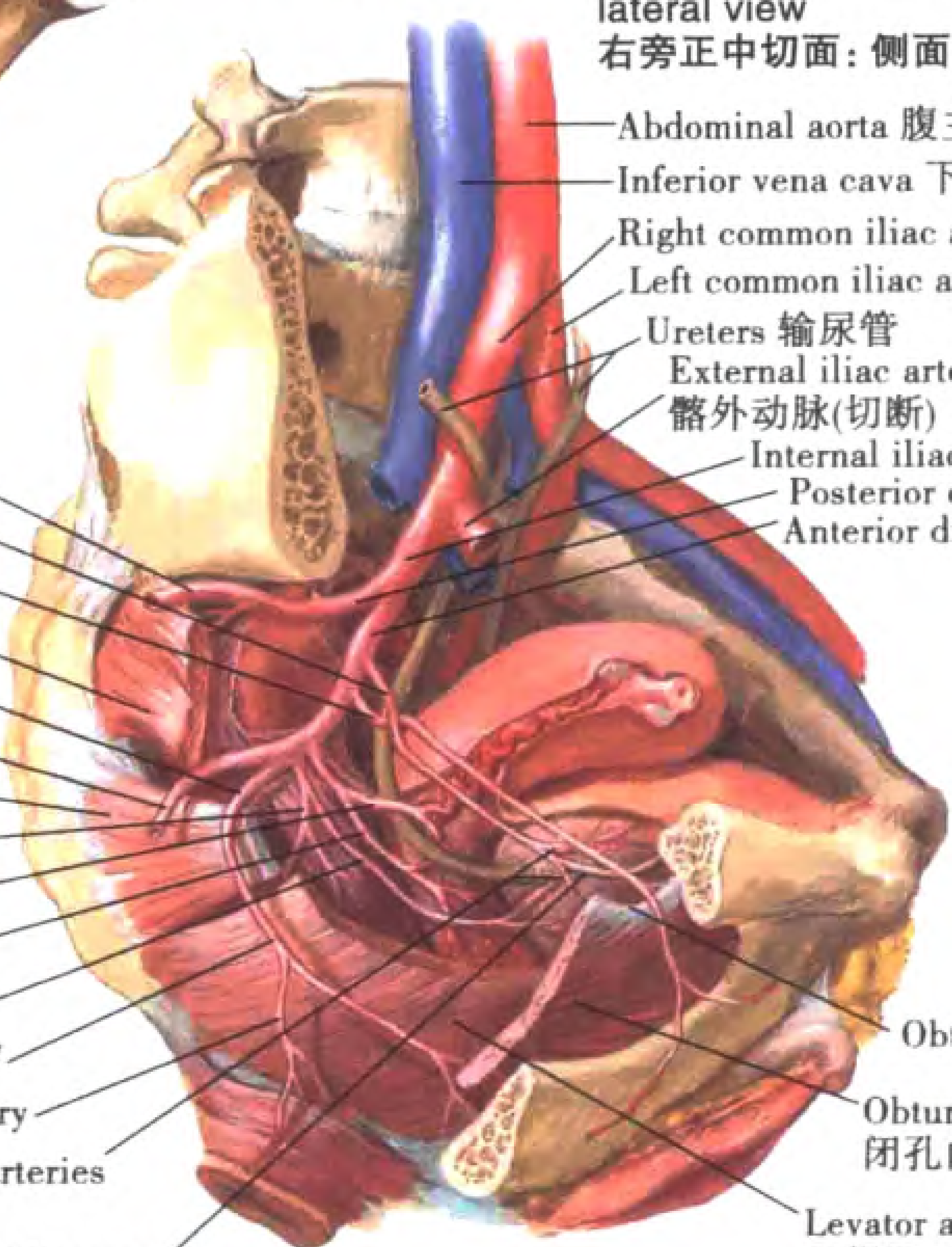
 图 378


Anterior view
前面观
Renal vessels
肾血管
Inferior vena cava
下腔静脉
Abdominal aorta
腹主动脉
Testicular vessels
睾丸血管
Ureter 输尿管
Inferior mesenteric artery
肠系膜下动脉
Common iliac vessels
髂总血管
Internal iliac vessels
髂外血管
External iliac vessels
髂内血管
Inferior vesical artery
膀胱下动脉
Inferior epigastric vessels
腹壁下血管
Artery to ductus deferens
输精管动脉
Cremasteric vessels
提睾肌血管
Testicular vessels in spermatic cord
精索内的睾丸血管
Femoral vessels
股血管
Superficial external pudendal vessels (cut-pass superficial to spermatic cord)
阴部外浅血管(切开浅层结构暴露精索)
Deep external pudendal vessels
阴部外深血管
Pampiniform venous plexus
蔓状静脉丛
Deep dorsal vein and dorsal arteries of penis under deep (Buck's) fascia of penis
阴茎深(Buck's)筋膜下的阴茎背深静脉和阴茎背动脉
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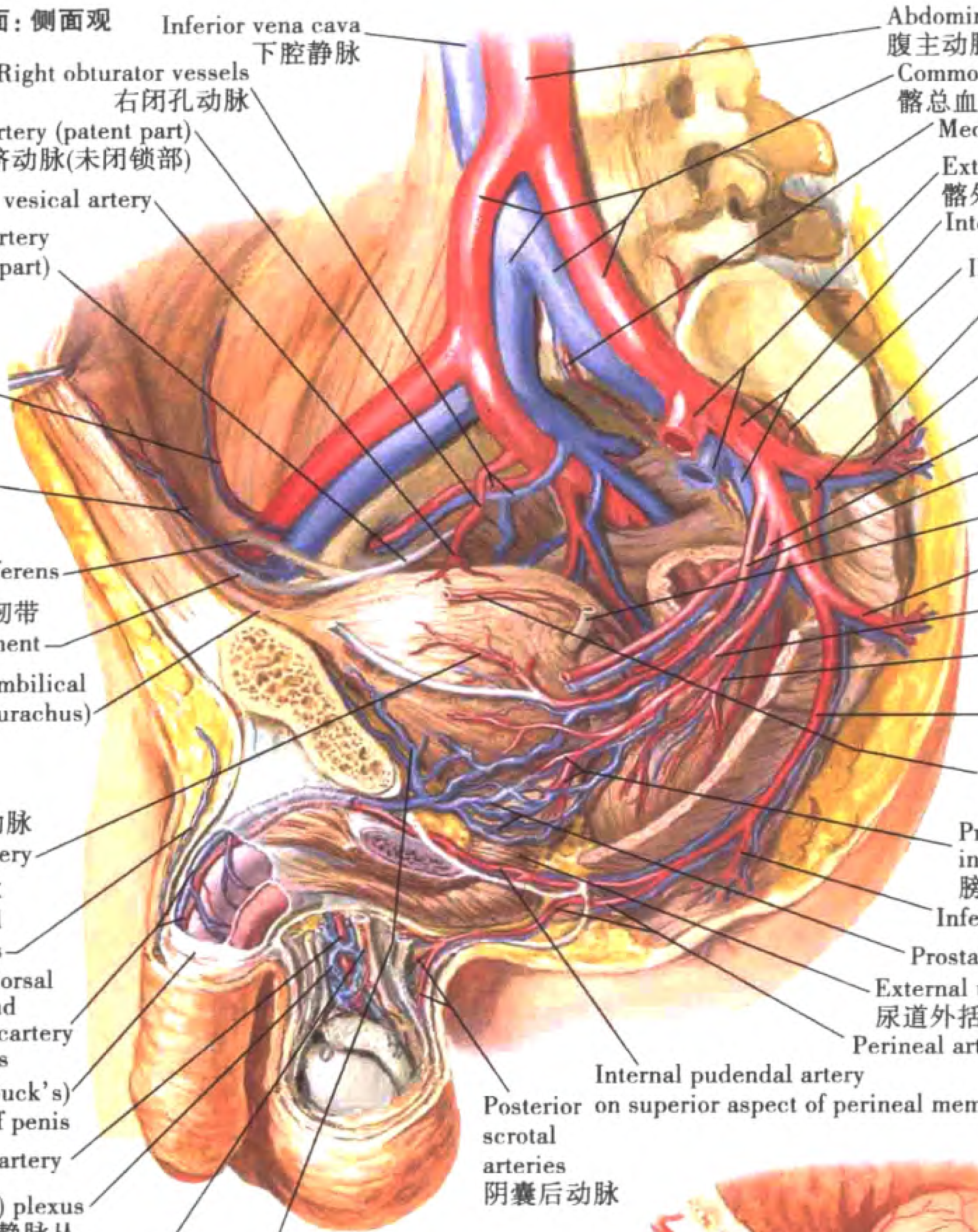


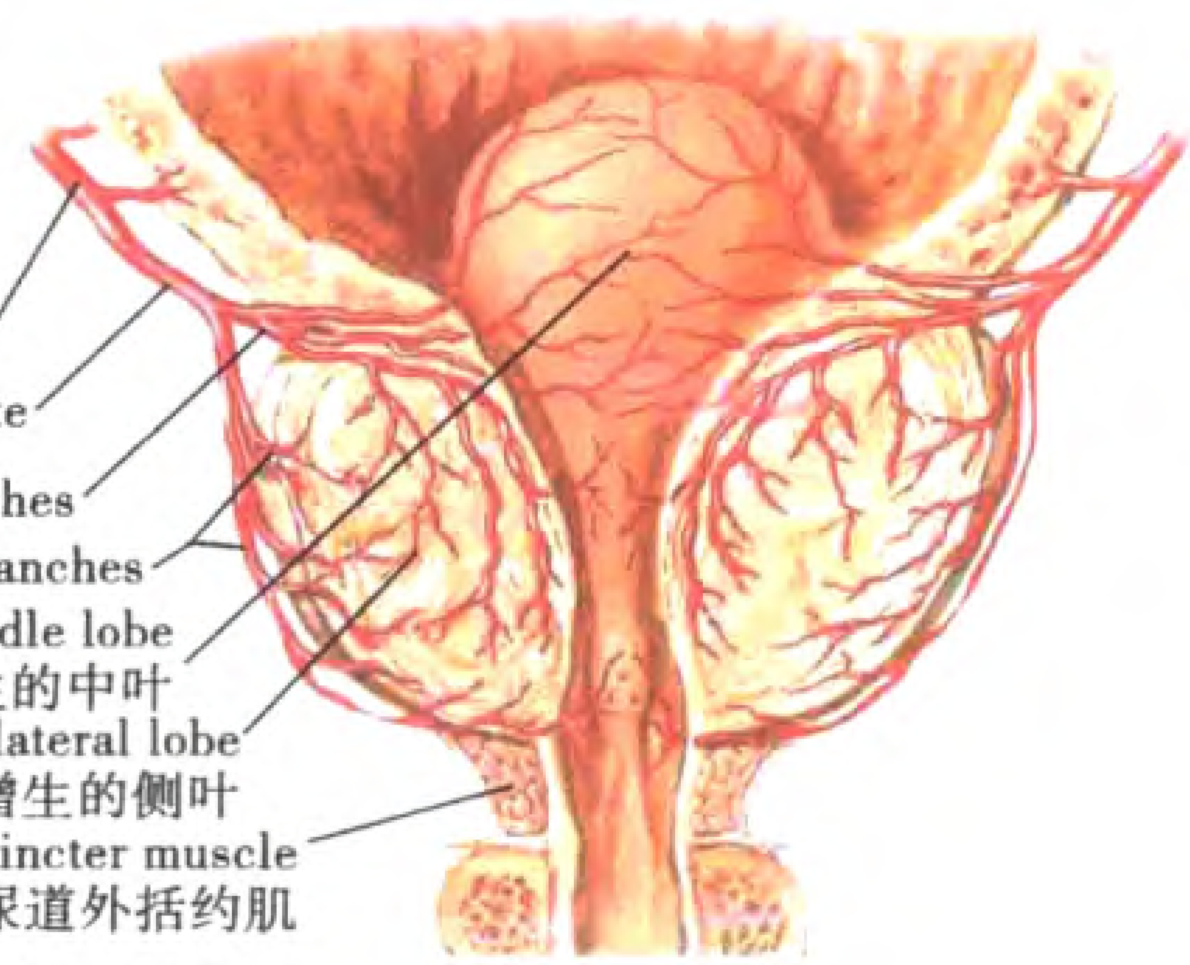
Sagittal section
矢状面

Right paramedian section: lateral view
右旁正中切面：侧面观

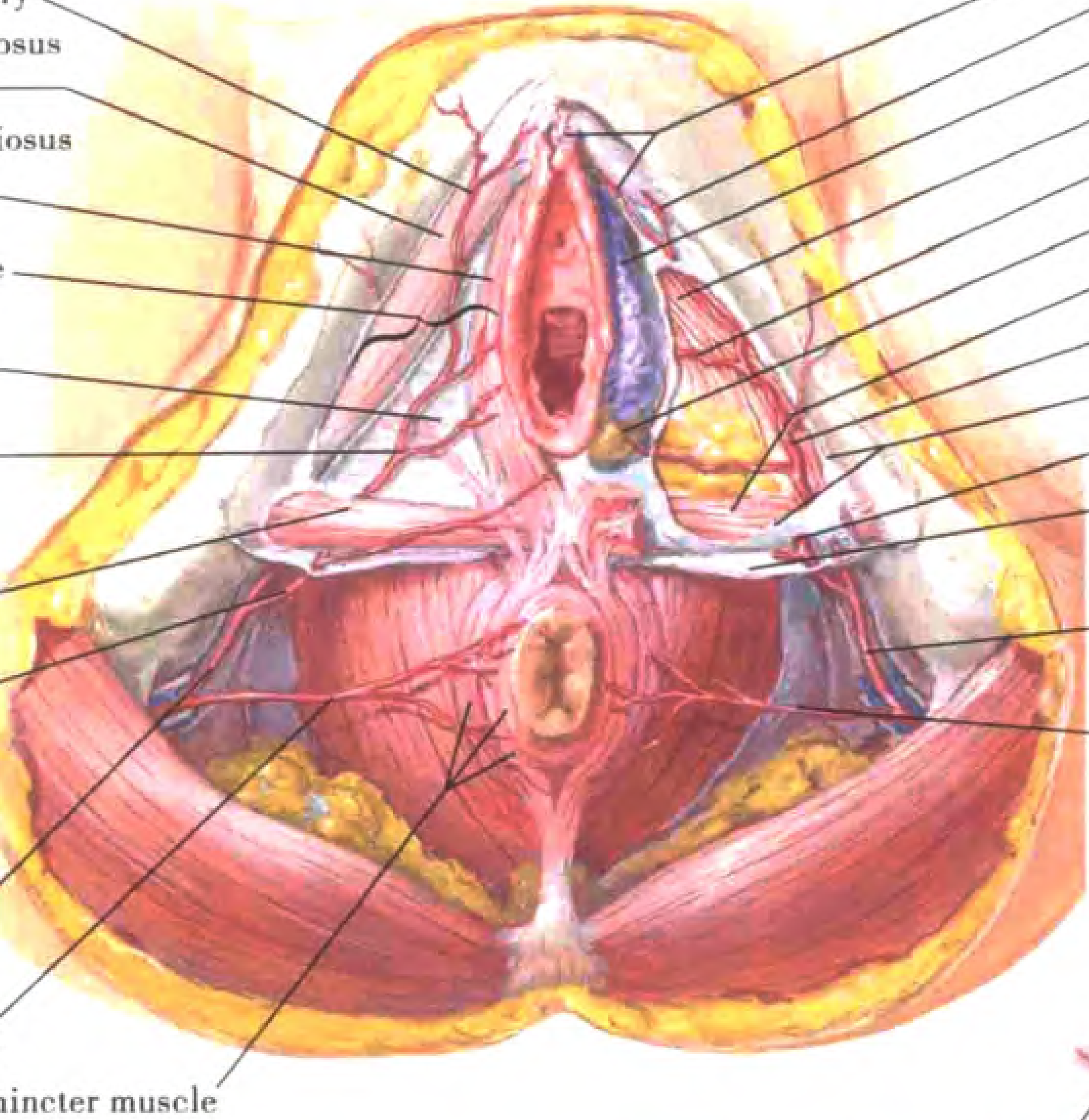


Left paramedian section: lateral view
左旁正中切面：侧面观

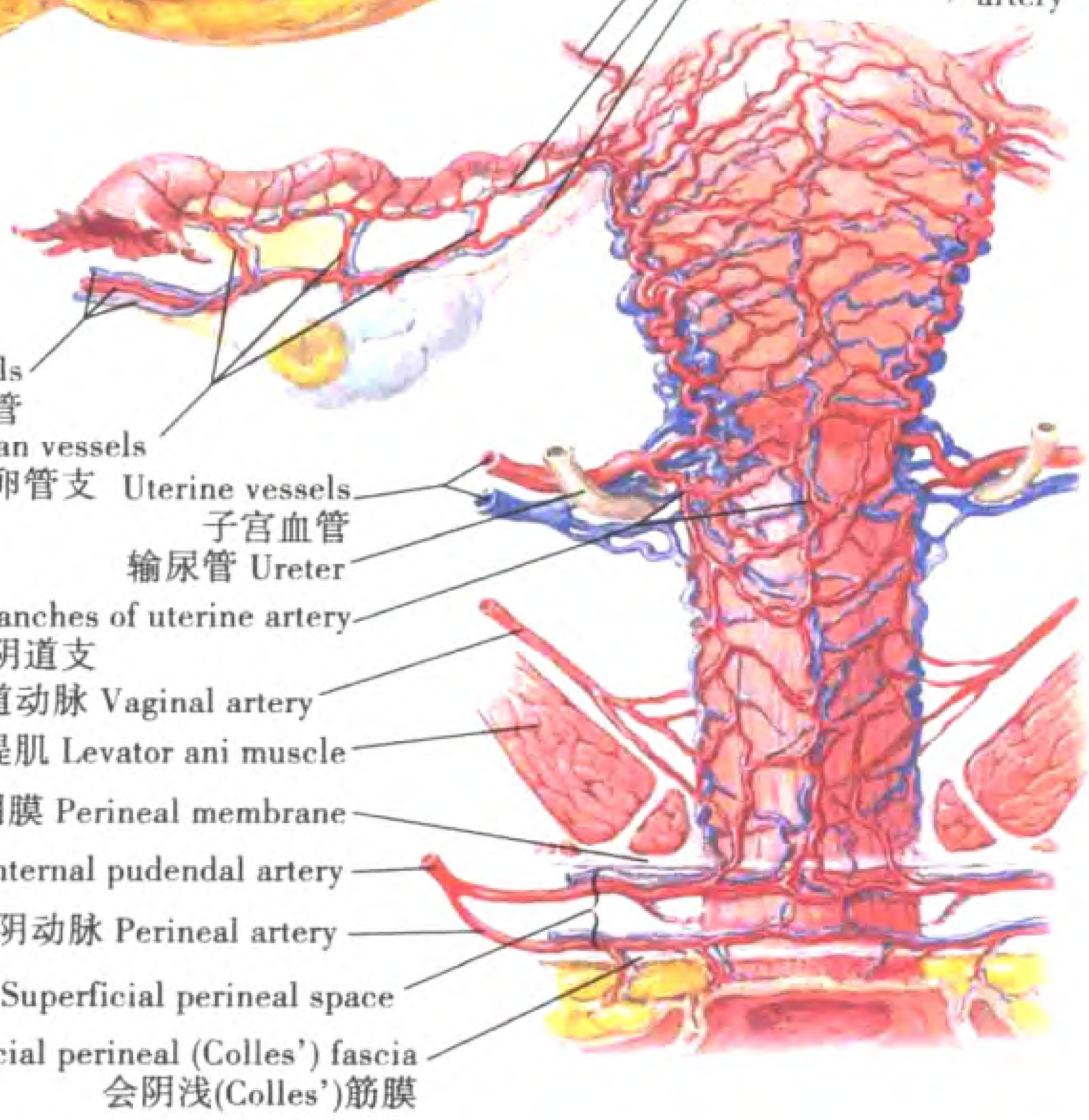


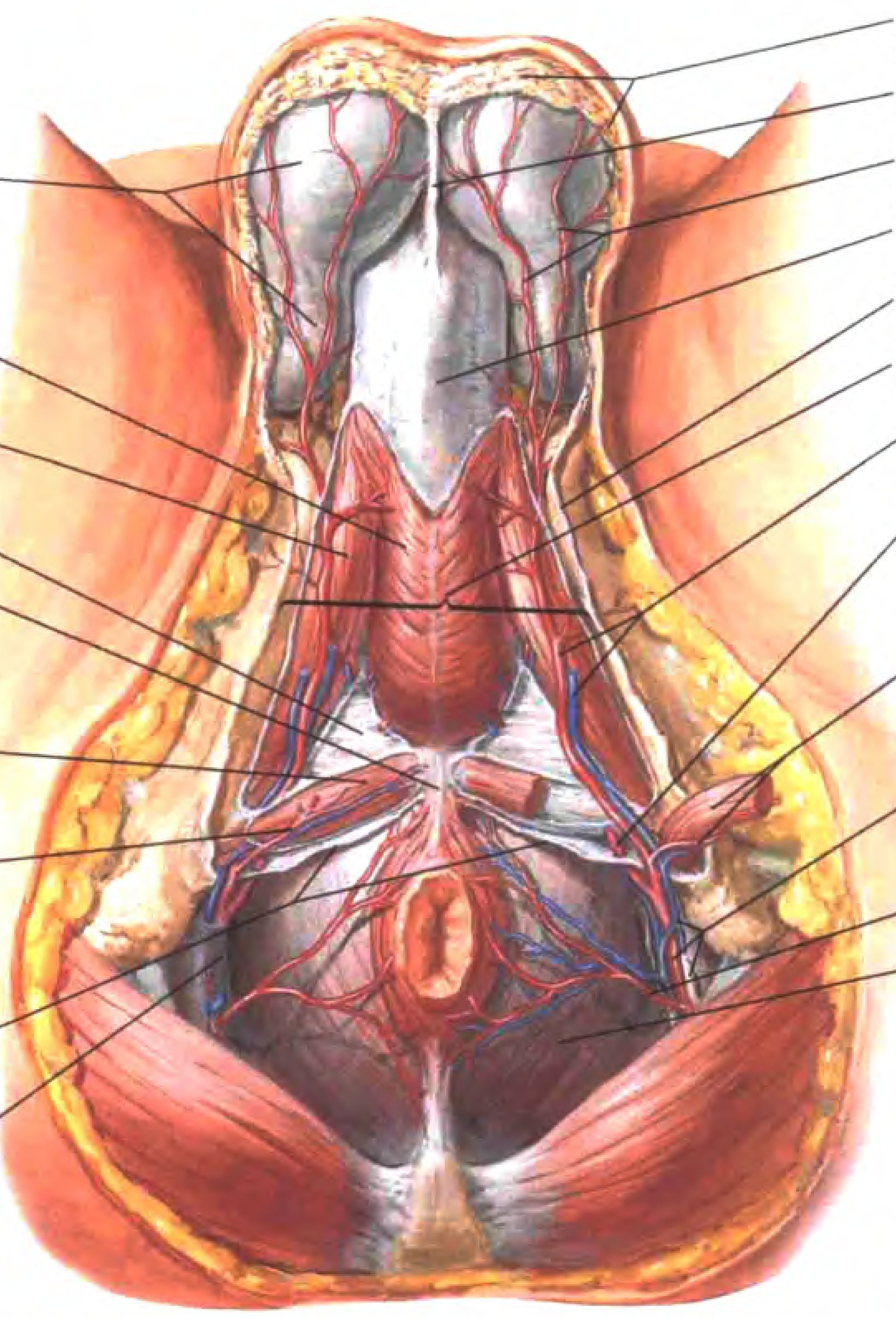


Arterial supply of prostate
(Frontal section, anterior view of specimen with benign hyperplasia)
前列腺的血供
(冠状断面,良性增生的前列腺的前面观)

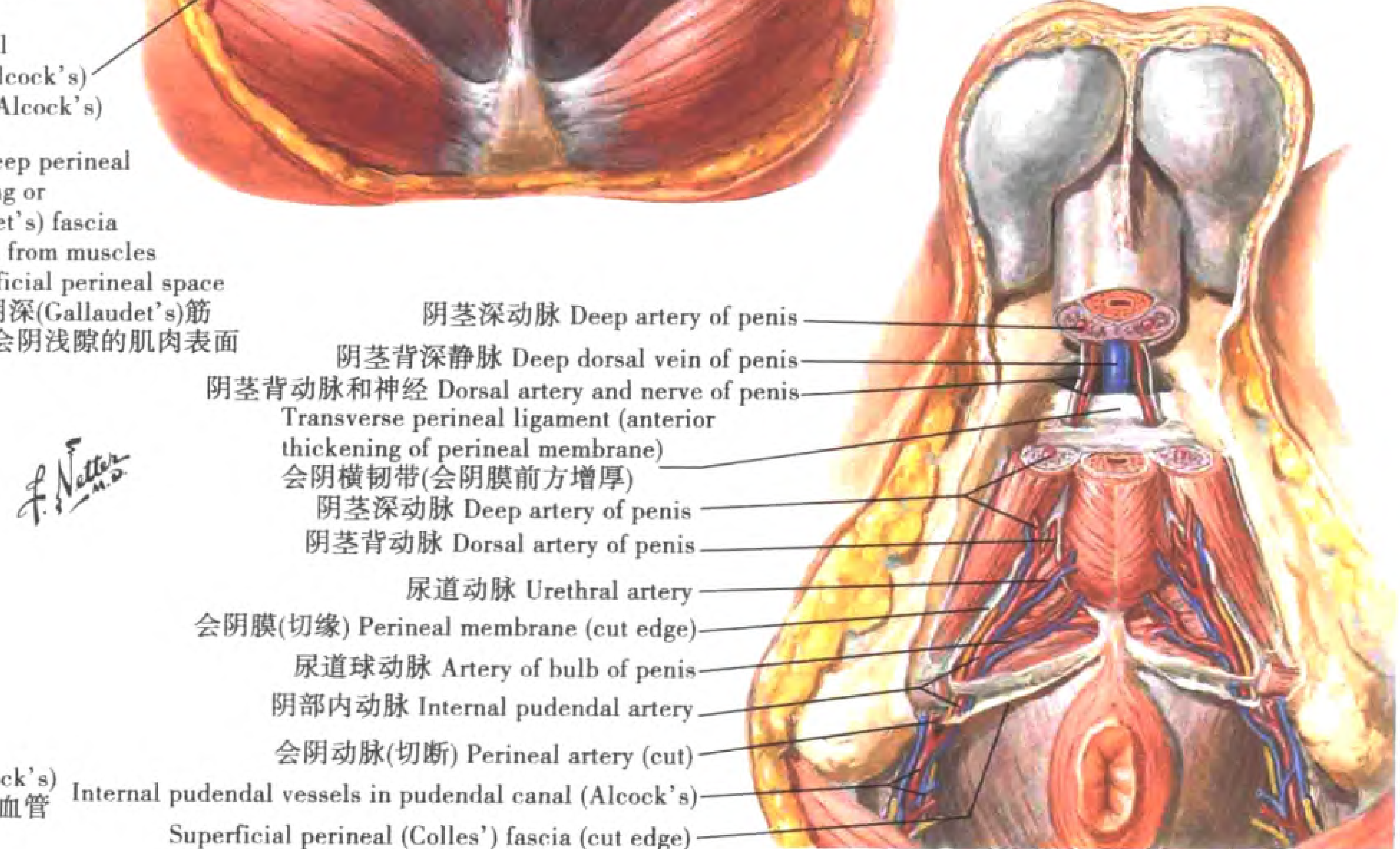


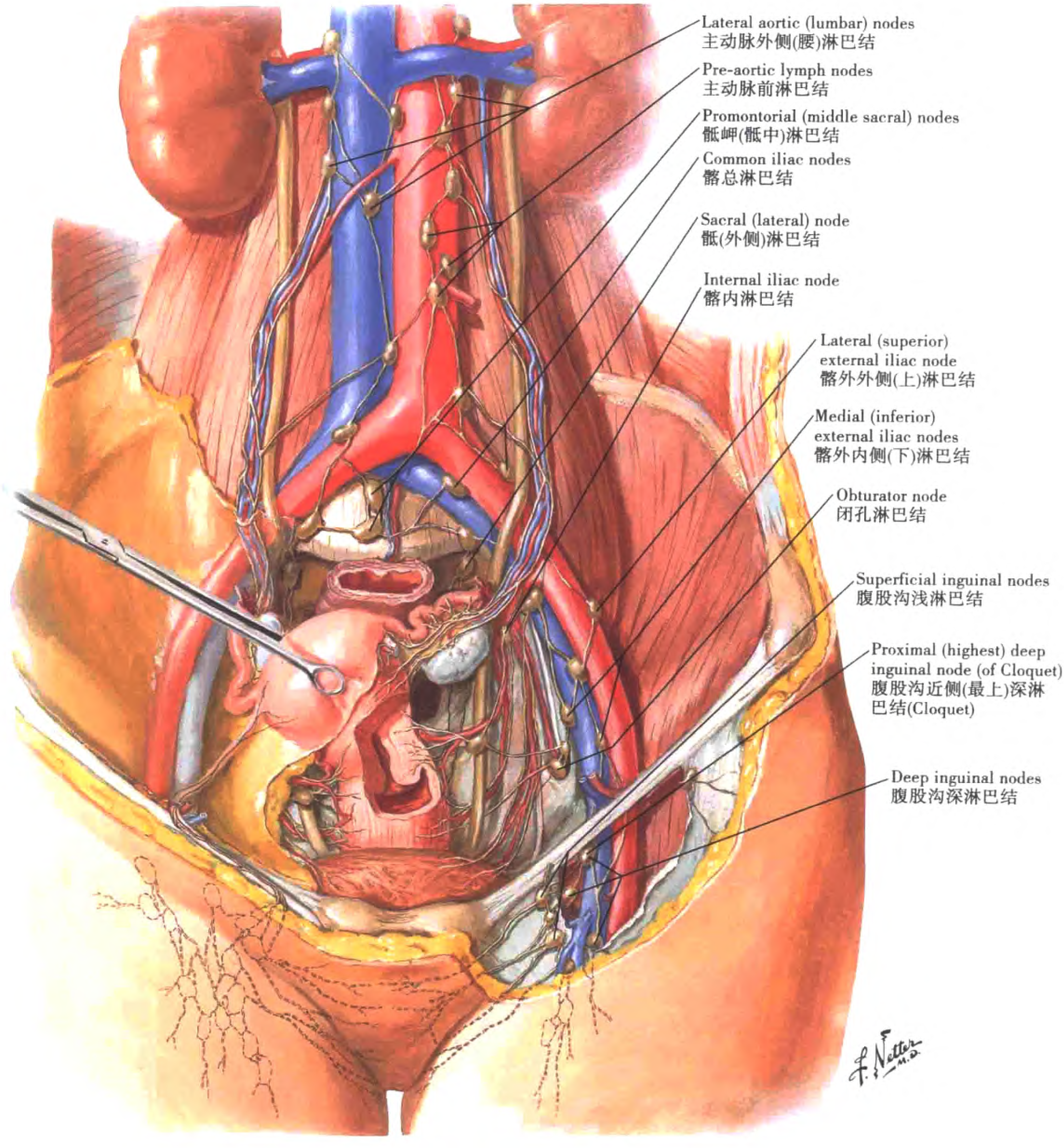
Note: Deep perineal (investing or Gallaudet's) fascia removed from muscles of superficial perineal space
注：会阴深(Gallaudet's)筋膜从会阴浅隙肌肉表面移除

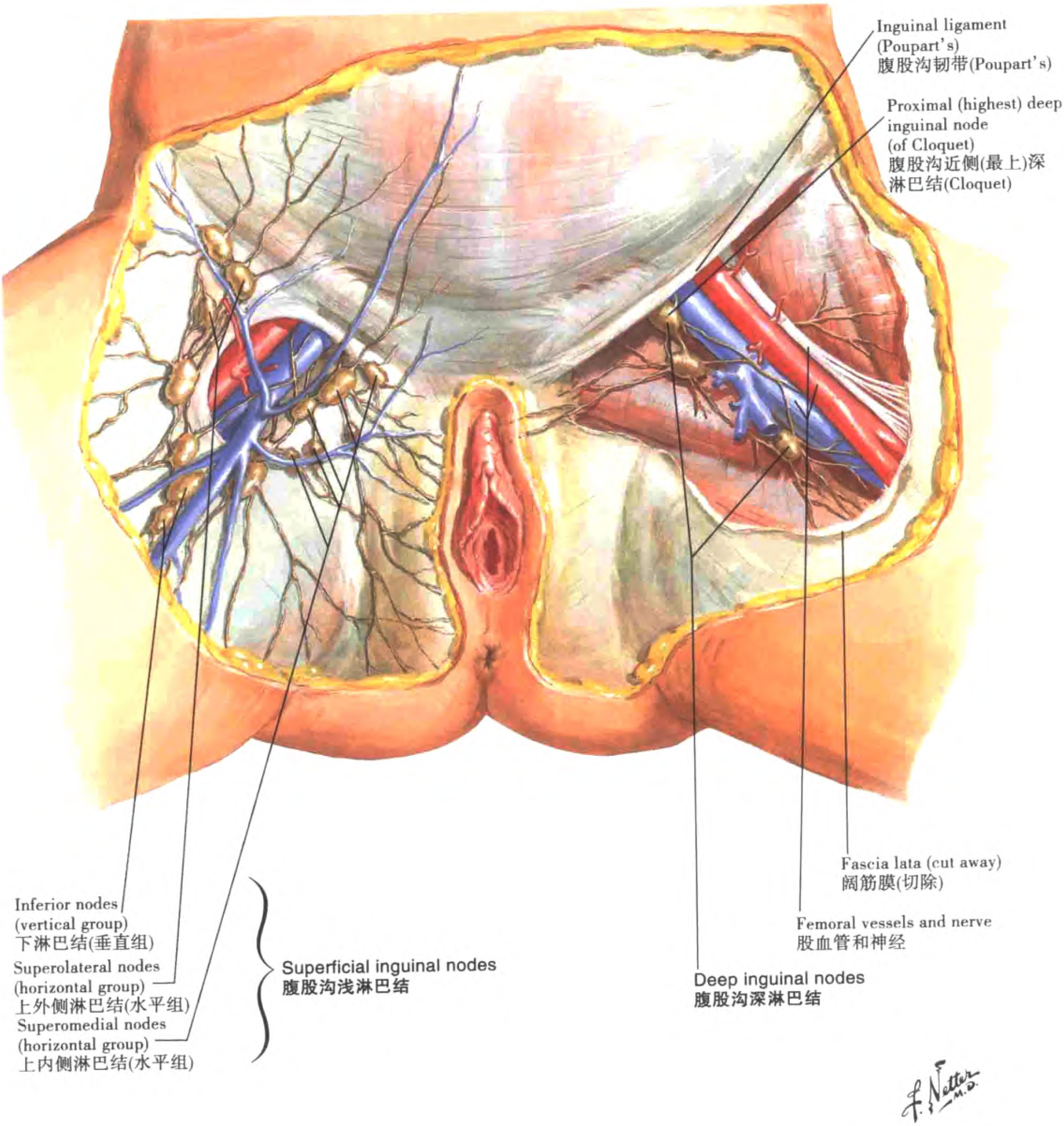


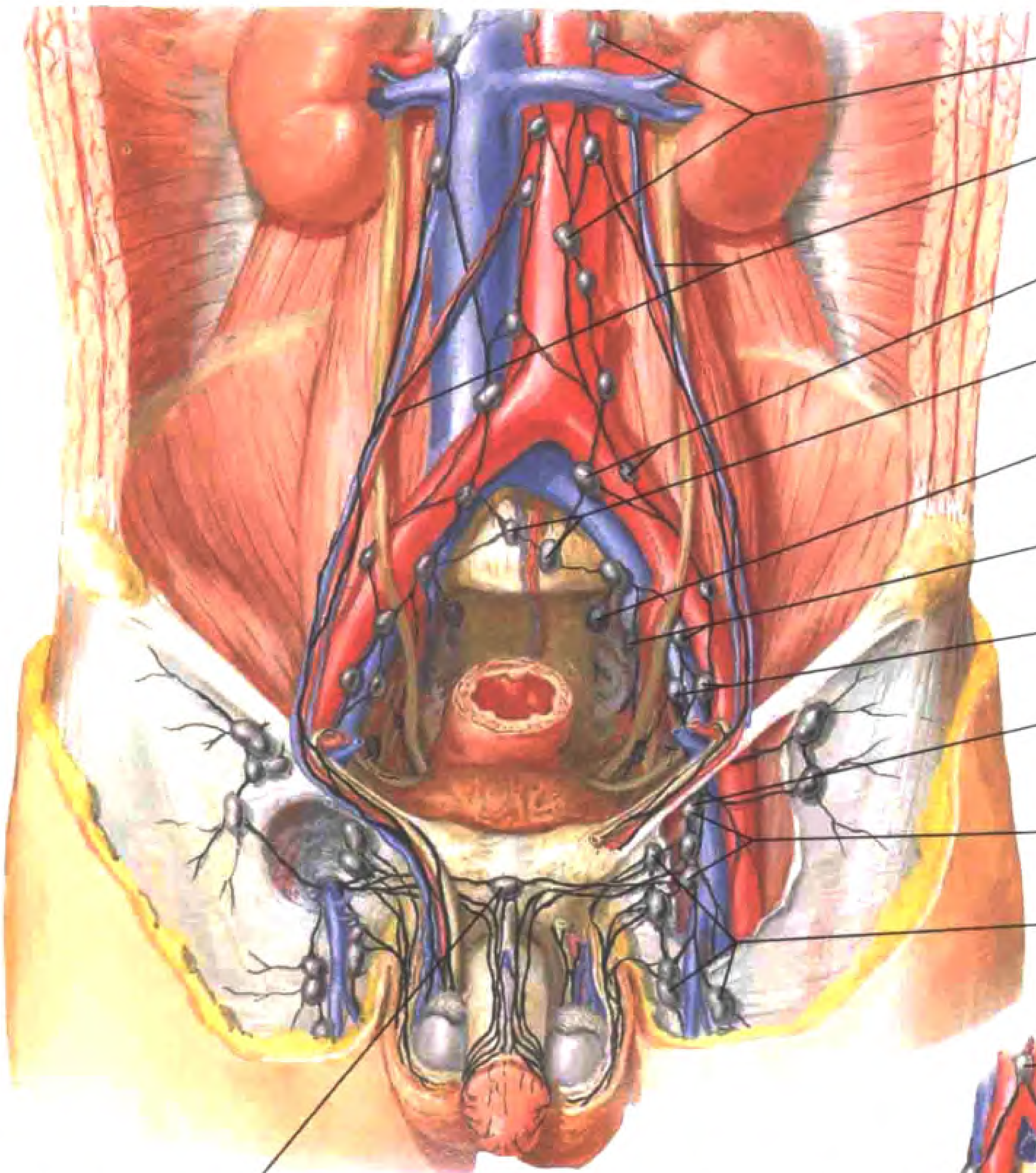


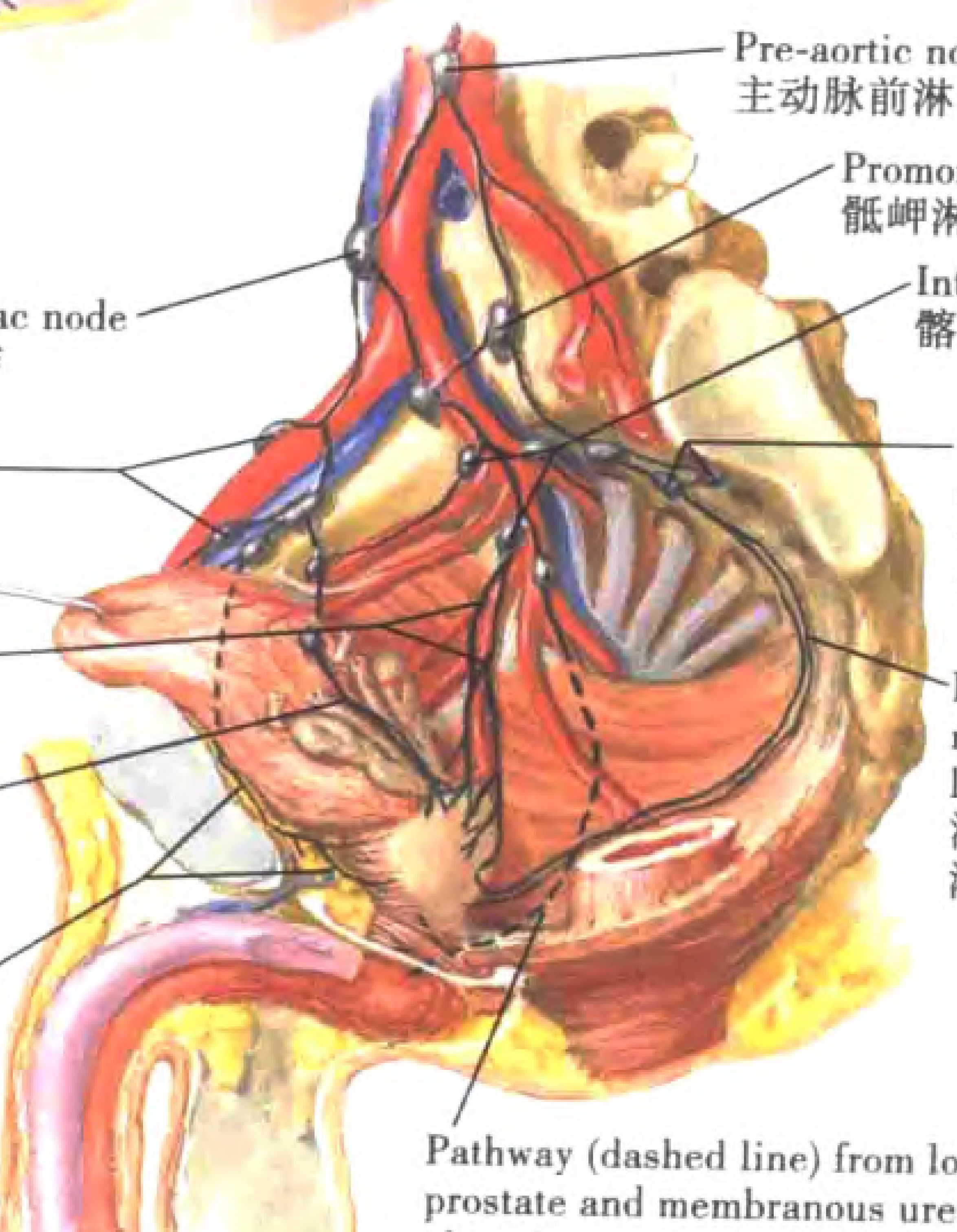
Note: Deep perineal (investing or Gallaudet's) fascia removed from muscles of superficial perineal space
注：会阴深(Gallaudet's)筋膜已从会阴浅隙的肌肉表面去除




Lateral aortic (lumbar) nodes
主动脉外侧(腰)淋巴结
Pre-aortic lymph nodes
主动脉前淋巴结
Promontorial (middle sacral) nodes
骶岬(骶中)淋巴结
Common iliac nodes
髂总淋巴结
Sacral (lateral) node
骶(外侧)淋巴结
Internal iliac node
髂内淋巴结
Lateral (superior) external iliac node
髂外外侧(上)淋巴结
Medial (inferior) external iliac nodes
髂外内侧(下)淋巴结
Obturator node
闭孔淋巴结
Superficial inguinal nodes
腹股沟浅淋巴结
Proximal (highest) deep inguinal node (of Cloquet)
腹股沟近侧(最上)深淋巴结(Cloquet)
Deep inguinal nodes
腹股沟深淋巴结
F. Netter M.D.

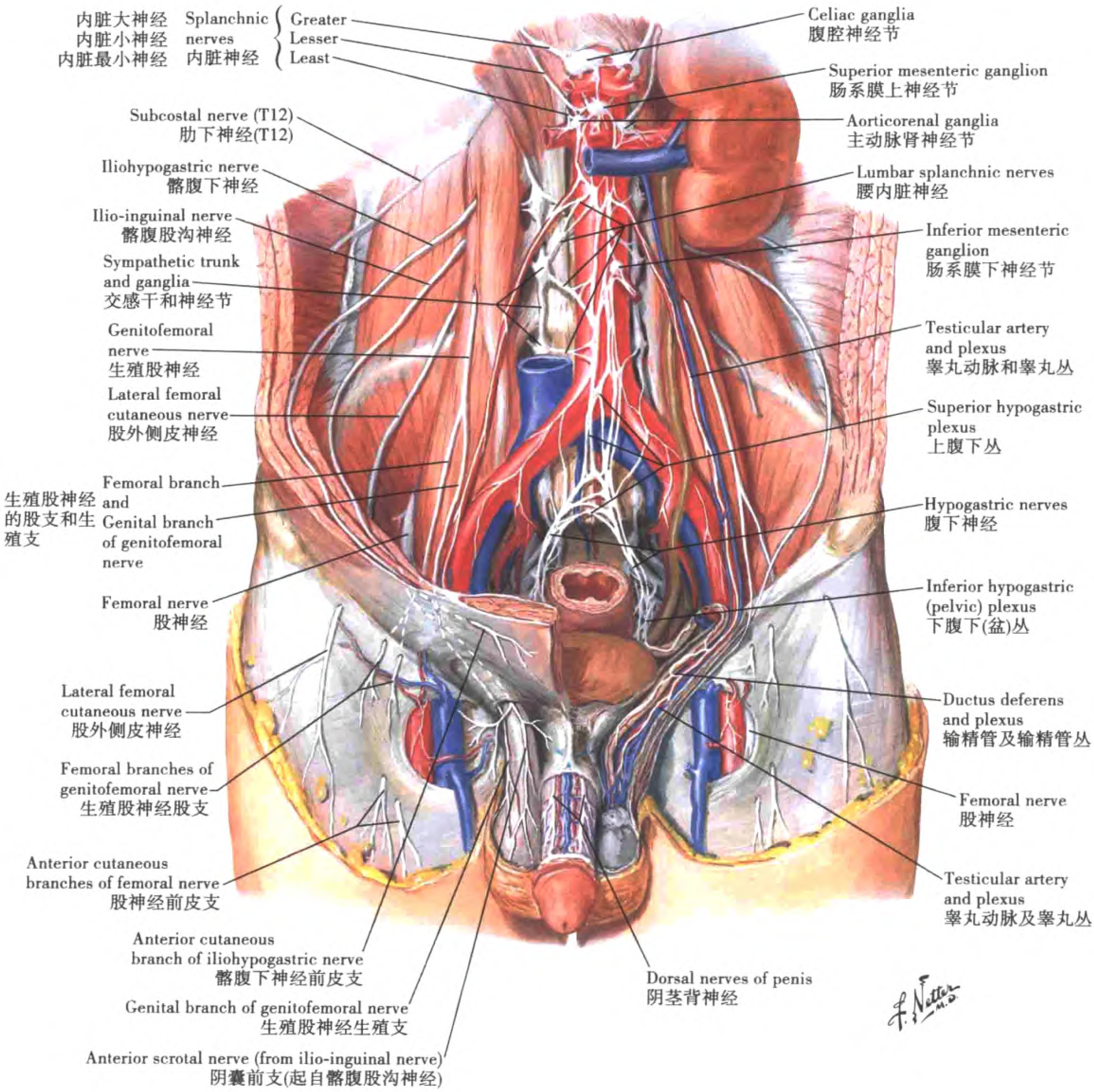

Inguinal ligament
(Poupart's)
腹股沟韧带(Poupart's)
Proximal (highest) deep
inguinal node
(of Cloquet)
腹股沟近侧(最上)深
淋巴结(Cloquet)
Fascia lata (cut away)
阔筋膜(切除)
Femoral vessels and nerve
股血管和神经
Deep inguinal nodes
腹股沟深淋巴结
Inferior nodes
(vertical group)
下淋巴结(垂直组)
Superolateral nodes
(horizontal group)
上外侧淋巴结(水平组)
Superomedial nodes
(horizontal group)
上内侧淋巴结(水平组)
Superficial inguinal nodes
腹股沟浅淋巴结
F. Netter M.D.



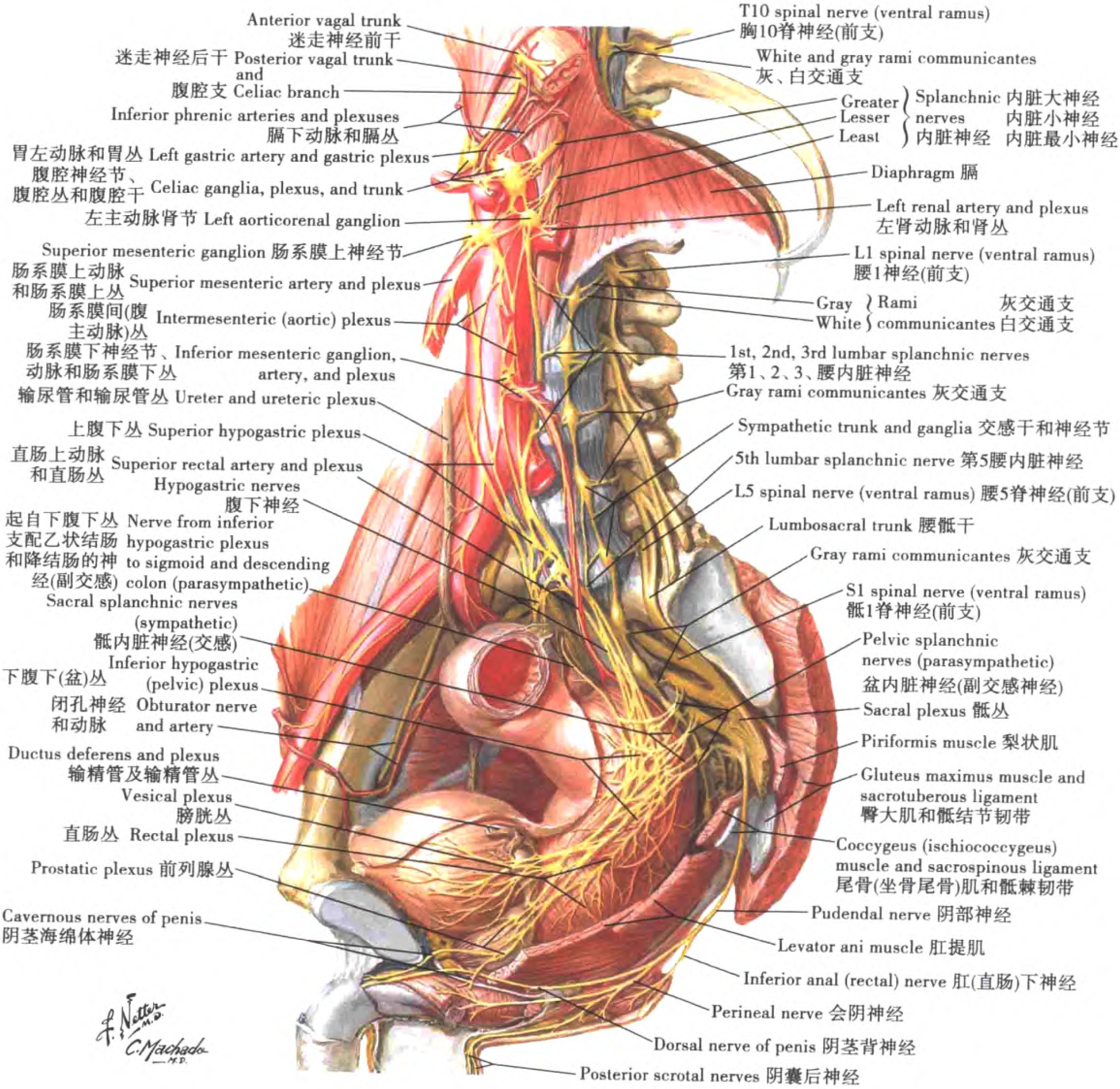


F. Netter M.D.
C. Machado M.D.

Lymphatic drainage from prostate
前列腺淋巴引流途径


内脏大神经
内脏小神经
内脏最小神经
Splanchnic nerves
内脏神经
Greater
Lesser
Least
Celiac ganglia
腹腔神经节
Superior mesenteric ganglion
肠系膜上神经节
Subcostal nerve (T12)
肋下神经(T12)
Aorticorenal ganglia
主动脉肾神经节
Iliohypogastric nerve
髂腹下神经
Lumbar splanchnic nerves
腰内脏神经
Ilio-inguinal nerve
髂腹股沟神经
Inferior mesenteric ganglion
肠系膜下神经节
Sympathetic trunk and ganglia
交感干和神经节
Genitofemoral nerve
生殖股神经
Testicular artery and plexus
睾丸动脉和睾丸丛
Lateral femoral cutaneous nerve
股外侧皮神经
Superior hypogastric plexus
上腹下丛
生殖股神经的股支和生殖支
Femoral branch and Genital branch of genitofemoral nerve
Hypogastric nerves
腹下神经
Femoral nerve
股神经
Inferior hypogastric (pelvic) plexus
下腹下(盆)丛
Lateral femoral cutaneous nerve
股外侧皮神经
Ductus deferens and plexus
输精管及输精管丛
Femoral branches of genitofemoral nerve
生殖股神经股支
Femoral nerve
股神经
Anterior cutaneous branches of femoral nerve
股神经前皮支
Testicular artery and plexus
睾丸动脉及睾丸丛
Anterior cutaneous branch of iliohypogastric nerve
髂腹下神经前皮支
Dorsal nerves of penis
阴茎背神经
Genital branch of genitofemoral nerve
生殖股神经生殖支
Anterior scrotal nerve (from ilio-inguinal nerve)
阴囊前支(起自髂腹股沟神经)
F. Netter M.D.

参见图 297



Anterior vagal trunk 迷走神经前干
迷走神经后干 Posterior vagal trunk and
腹腔支 Celiac branch
Inferior phrenic arteries and plexuses 膈下动脉和膈丛
胃左动脉和胃丛 Left gastric artery and gastric plexus
腹腔神经节、腹腔丛和腹腔干 Celiac ganglia, plexus, and trunk
左主动脉肾节 Left aorticorenal ganglion
Superior mesenteric ganglion 肠系膜上神经节
肠系膜上动脉和肠系膜上丛 Superior mesenteric artery and plexus
肠系膜间(腹主动脉)丛 Intermesenteric (aortic) plexus
肠系膜下神经节、动脉和肠系膜下丛 Inferior mesenteric ganglion, artery, and plexus
输尿管和输尿管丛 Ureter and ureteric plexus
上腹下丛 Superior hypogastric plexus
直肠上动脉和直肠丛 Superior rectal artery and plexus
Hypogastric nerves 腹下神经
起自下腹下丛支配乙状结肠和降结肠的神经(副交感) Nerve from inferior hypogastric plexus to sigmoid and descending colon (parasympathetic)
Sacral splanchnic nerves (sympathetic) 骶内脏神经(交感)
下腹下(盆)丛 Inferior hypogastric (pelvic) plexus
闭孔神经和动脉 Obturator nerve and artery
Ductus deferens and plexus 输精管及输精管丛
Vesical plexus 膀胱丛
直肠丛 Rectal plexus
Prostatic plexus 前列腺丛
Cavernous nerves of penis 阴茎海绵体神经
T10 spinal nerve (ventral ramus) 胸10脊神经(前支)
White and gray rami communicantes 灰、白交通支
Greater Lesser Least Splanchnic nerves 内脏神经 内脏大神经 内脏小神经 内脏最小神经
Diaphragm 膈
Left renal artery and plexus 左肾动脉和肾丛
L1 spinal nerve (ventral ramus) 腰1神经(前支)
Gray White Rami communicantes 灰交通支 白交通支
1st, 2nd, 3rd lumbar splanchnic nerves 第1、2、3、腰内脏神经
Gray rami communicantes 灰交通支
Sympathetic trunk and ganglia 交感干和神经节
5th lumbar splanchnic nerve 第5腰内脏神经
L5 spinal nerve (ventral ramus) 腰5脊神经(前支)
Lumbosacral trunk 腰骶干
Gray rami communicantes 灰交通支
S1 spinal nerve (ventral ramus) 骶1脊神经(前支)
Pelvic splanchnic nerves (parasympathetic) 盆内脏神经(副交感神经)
Sacral plexus 骶丛
Piriformis muscle 梨状肌
Gluteus maximus muscle and sacrotuberous ligament 臀大肌和骶结节韧带
Coccygeus (ischiococcygeus) muscle and sacrospinous ligament 尾骨(坐骨尾骨)肌和骶棘韧带
Pudendal nerve 阴部神经
Levator ani muscle 肛提肌
Inferior anal (rectal) nerve 肛(直肠)下神经
Perineal nerve 会阴神经
Dorsal nerve of penis 阴茎背神经
Posterior scrotal nerves 阴囊后神经
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C. Machado M.D.

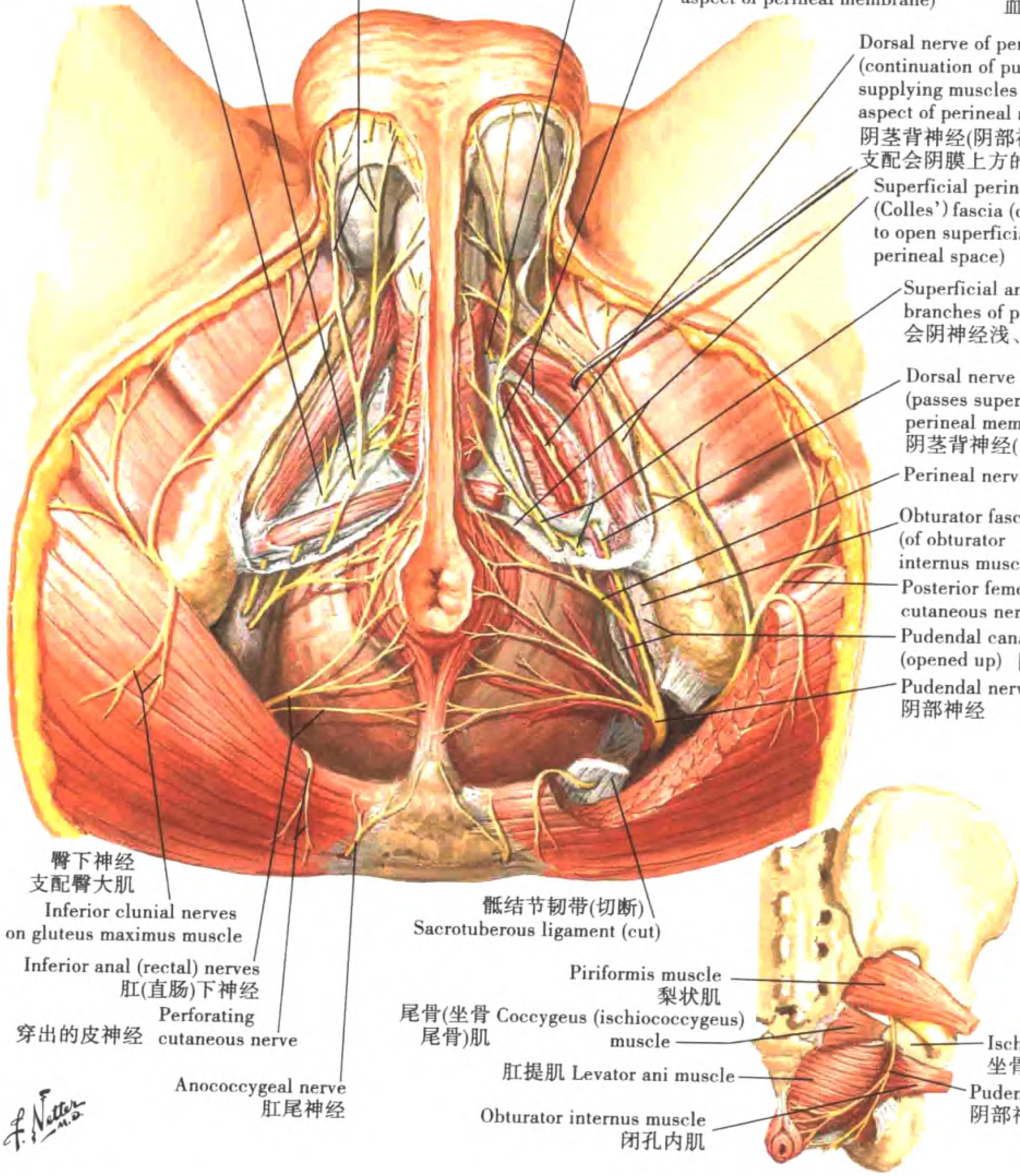
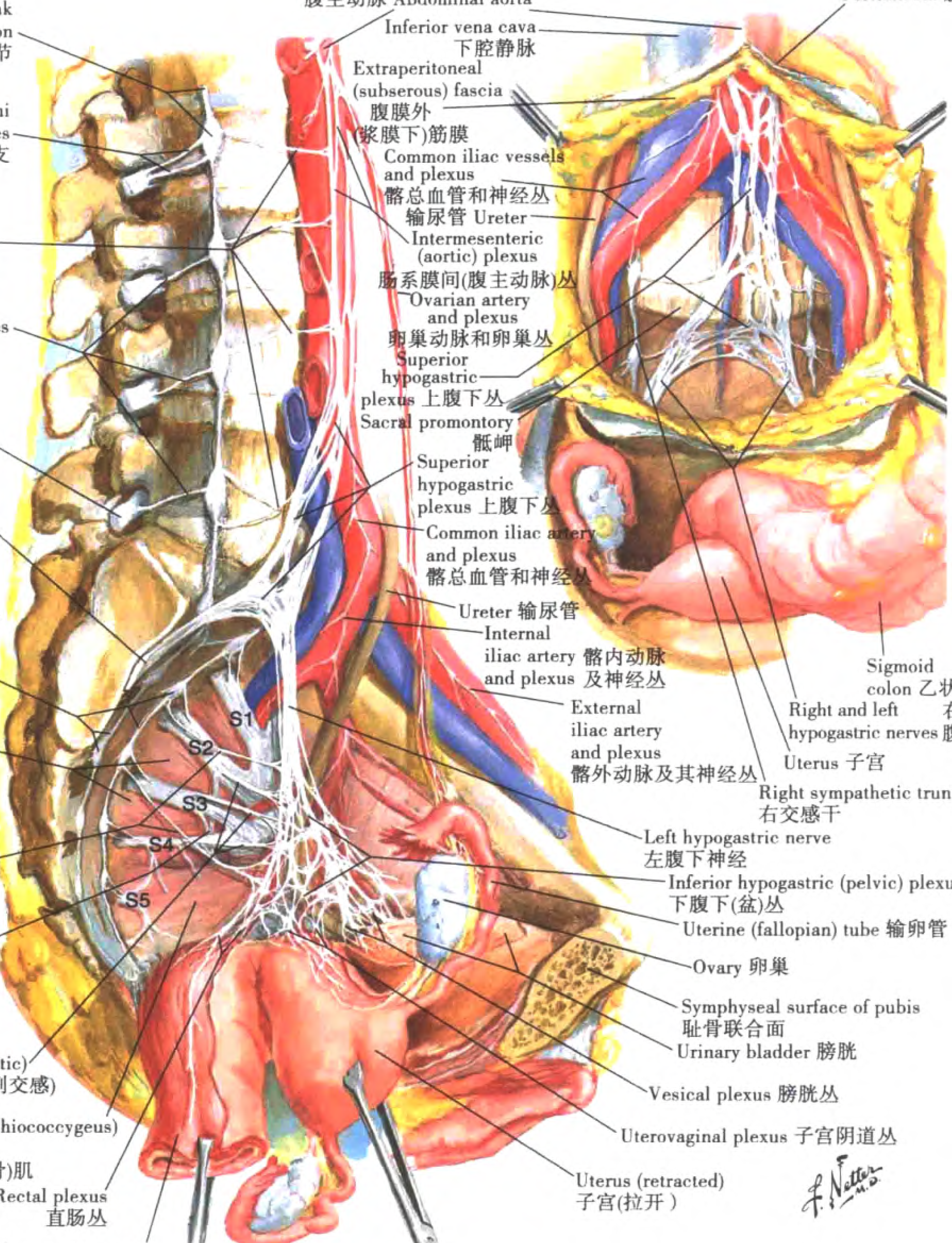
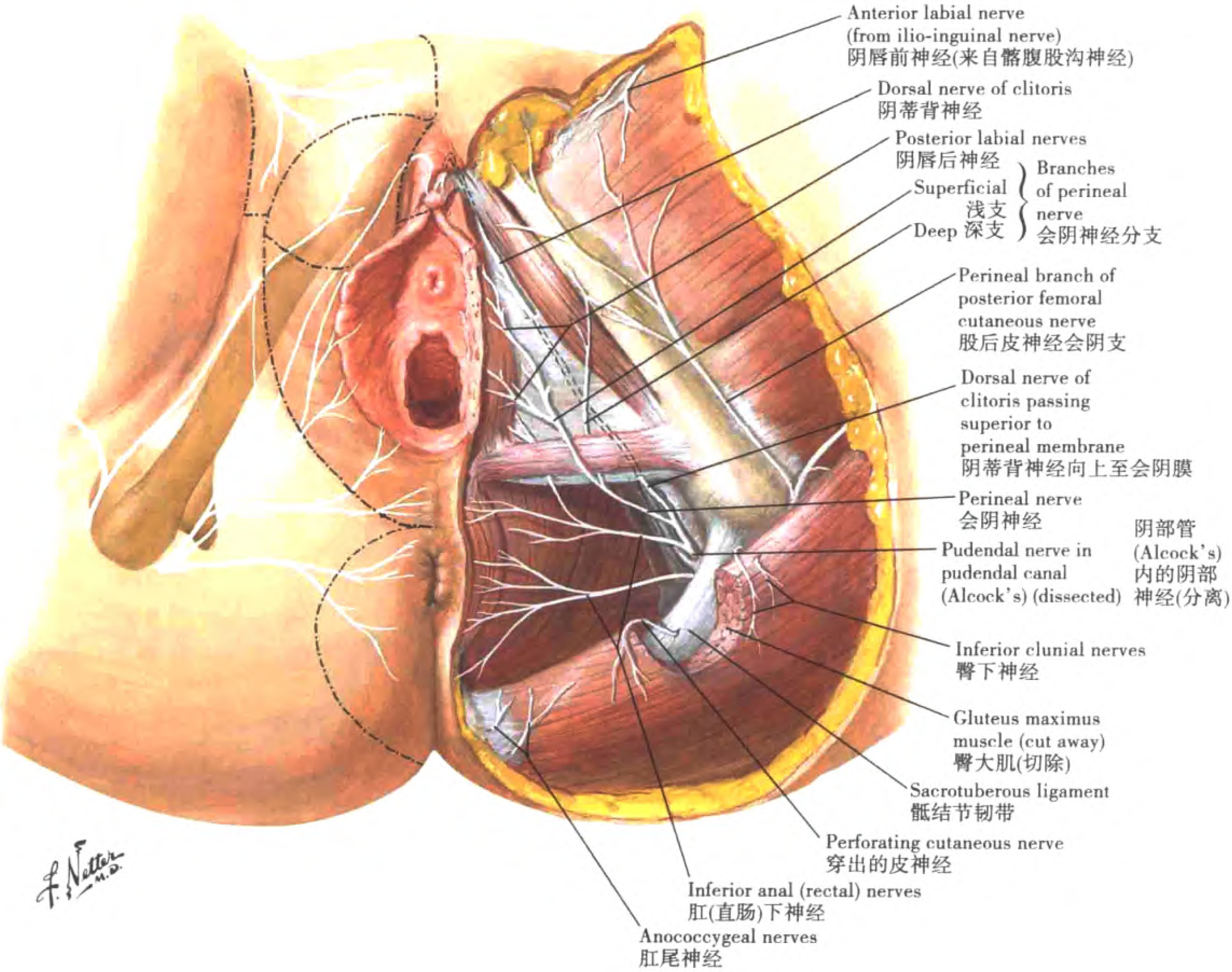
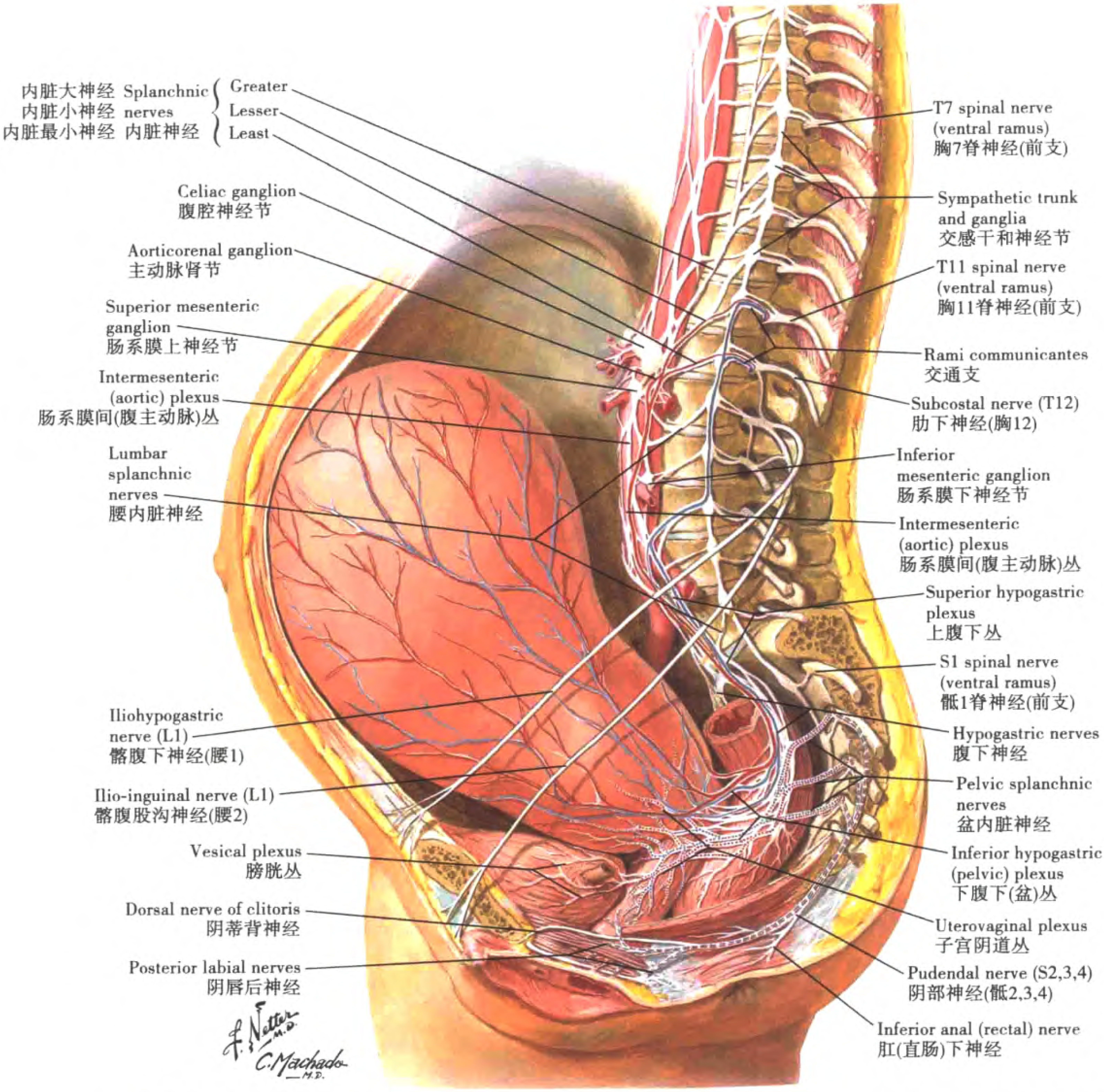

Posterior scrotal nerves
阴囊后神经
会阴神经 Perineal nerves Superficial 浅
Deep 深
Dorsal nerve of penis 阴茎背神经
Perineal membrane (cut to show neurovascular structures on superior aspect of perineal membrane)
会阴膜(切开以展示会阴膜上面的神经血管结构)
Dorsal nerve of penis (continuation of pudendal nerve supplying muscles on superior aspect of perineal membrane)
阴茎背神经(阴部神经的延续支配会阴膜上方的肌肉)
Superficial perineal (Colles') fascia (cut to open superficial perineal space)
会阴浅(Colles')筋膜(切开暴露会阴浅间隙)
Superficial and deep branches of perineal nerve
会阴神经浅、深支
Dorsal nerve of penis (passes superior to perineal membrane)
阴茎背神经(向上至会阴膜)
Perineal nerve 会阴神经
Obturator fascia (of obturator internus muscle)
闭孔筋膜(闭孔内肌筋膜)
Posterior femoral cutaneous nerve 股后皮神经
Pudendal canal (Alcock's) (opened up)
阴部管(Alcock's)(打开)
Pudendal nerve
阴部神经
臀下神经支配臀大肌
Inferior clunial nerves on gluteus maximus muscle
Inferior anal (rectal) nerves
肛(直肠)下神经
穿出的皮神经
Perforating cutaneous nerve
Anococcygeal nerve
肛尾神经
骶结节韧带(切断)
Sacrotuberous ligament (cut)
Piriformis muscle
梨状肌
尾骨(坐骨尾骨)肌
Coccygeus (ischiococcygeus) muscle
肛提肌 Levator ani muscle
Obturator internus muscle
闭孔内肌
Ischial spine
坐骨棘
Pudendal nerve
阴部神经
F. Netter M.D.

图 389 神经支配


腹主动脉 Abdominal aorta
Peritoneum 腹膜
Inferior vena cava
下腔静脉
Sympathetic trunk and L2 ganglion
交感干和腰2神经节
Extraperitoneal (subserous) fascia
腹膜外(浆膜下)筋膜
White and gray rami communicantes
白、灰交通支
Common iliac vessels and plexus
髂总血管和神经丛
Lumbar splanchnic nerves
腰内脏神经
输尿管 Ureter
Intermesenteric (aortic) plexus
肠系膜间(腹主动脉)丛
Ovarian artery and plexus
卵巢动脉和卵巢丛
Gray rami communicantes
灰交通支
Superior hypogastric plexus 上腹下丛
L5 spinal nerve
腰5脊神经
Sacral promontory
骶岬
Right hypogastric nerve (cut)
右腹下神经(切断)
Superior hypogastric plexus 上腹下丛
Common iliac artery and plexus
髂总血管和神经丛
右、左骶交感干与神经节
Right and left sacral sympathetic trunks and ganglia
Ureter 输尿管
Internal iliac artery and plexus 髂内动脉及其神经丛
Sigmoid colon 乙状结肠
Right and left hypogastric nerves 右、左腹下神经
Piriformis muscle
梨状肌
External iliac artery and plexus
髂外动脉及其神经丛
Uterus 子宫
Right sympathetic trunk
右交感干
Sacral splanchnic nerves (sympathetic)
骶内脏神经(交感)
Left hypogastric nerve
左腹下神经
Inferior hypogastric (pelvic) plexus
下腹下(盆)丛
Uterine (fallopian) tube 输卵管
Pudendal nerve
阴部神经
Ovary 卵巢
Pelvic splanchnic nerves (parasympathetic)
盆内脏神经(副交感)
Symphyseal surface of pubis
耻骨联合面
Urinary bladder 膀胱
Vesical plexus 膀胱丛
Coccygeus (ischiococcygeus) muscle
尾骨(坐骨尾骨)肌
Uterovaginal plexus 子宫阴道丛
Rectal plexus
直肠丛
Uterus (retracted)
子宫(拉开)
Rectum (retracted)
直肠(拉开)
S1
S2
S3
S4
S5


Anterior labial nerve
(from ilio-inguinal nerve)
阴唇前神经(来自髂腹股沟神经)
Dorsal nerve of clitoris
阴蒂背神经
Posterior labial nerves
阴唇后神经
Superficial
浅支
Deep 深支
Branches
of perineal
nerve
会阴神经分支
Perineal branch of
posterior femoral
cutaneous nerve
股后皮神经会阴支
Dorsal nerve of
clitoris passing
superior to
perineal membrane
阴蒂背神经向上至会阴膜
Perineal nerve
会阴神经
Pudendal nerve in
pudendal canal
(Alcock's) (dissected)
阴部管
(Alcock's)
内的阴部
神经(分离)
Inferior clunial nerves
臀下神经
Gluteus maximus
muscle (cut away)
臀大肌(切除)
Sacrotuberous ligament
骶结节韧带
Perforating cutaneous nerve
穿出的皮神经
Inferior anal (rectal) nerves
肛(直肠)下神经
Anococcygeal nerves
肛尾神经
F. Netter M.D.



—— 来自子宫体和底的感觉神经纤维伴交感神经纤维经腹下神经丛至胸11、12(腰1?)

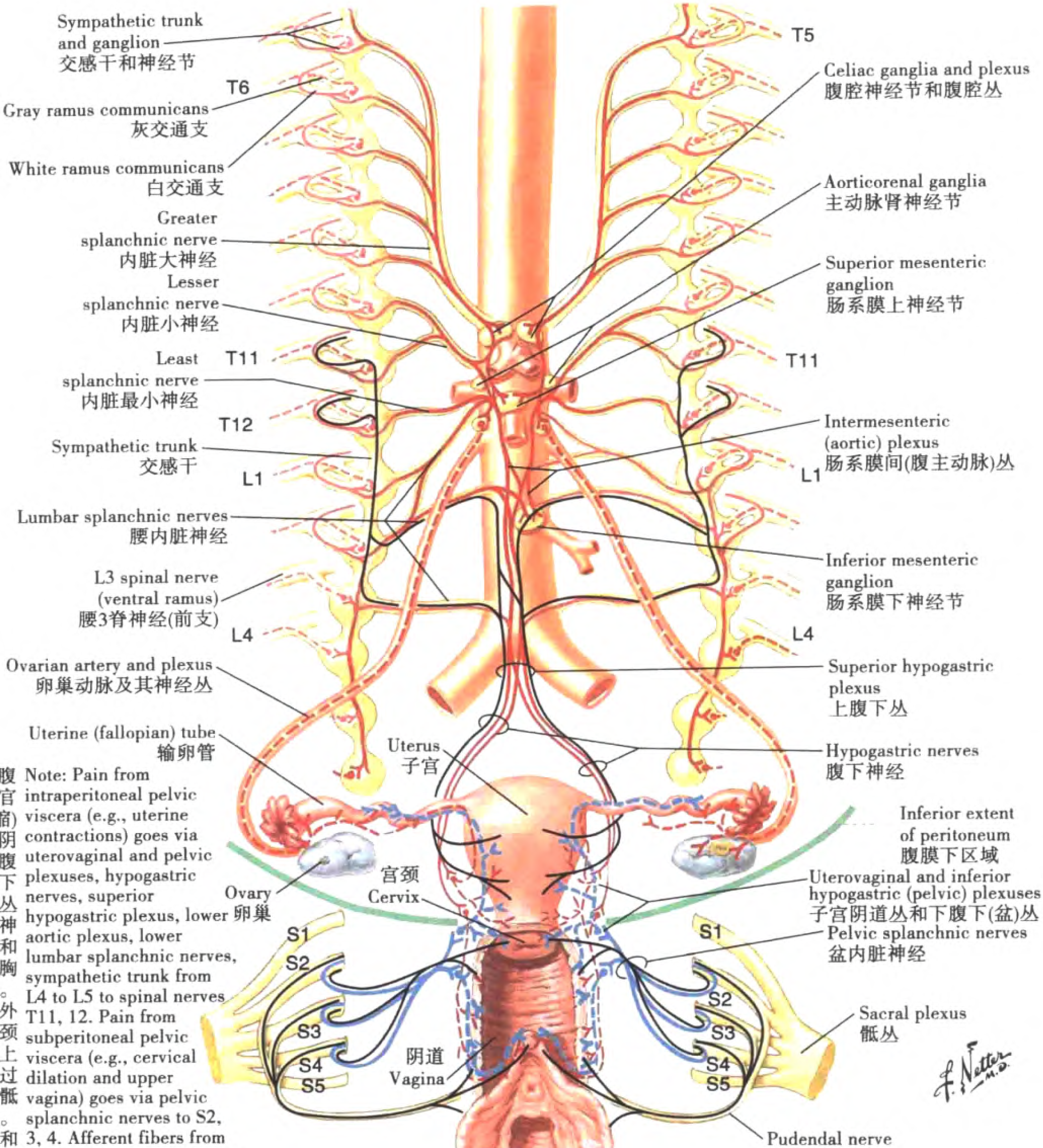
—— 运动神经纤维支配子宫体和底(交感神经)

········ 来自子宫颈和阴道上部的感觉纤维伴盆内脏神经(副交感神经)至骶2、3、4

········ 运动神经纤维支配子宫下部、宫颈和阴道上部(副交感神经)

– – – – 来自阴道下部和会阴的感觉纤维与躯体神经纤维伴行,经阴部神经至骶2、3、4

- - - - - 运动神经纤维经阴部神经支配阴道下部和会阴(躯体神经)

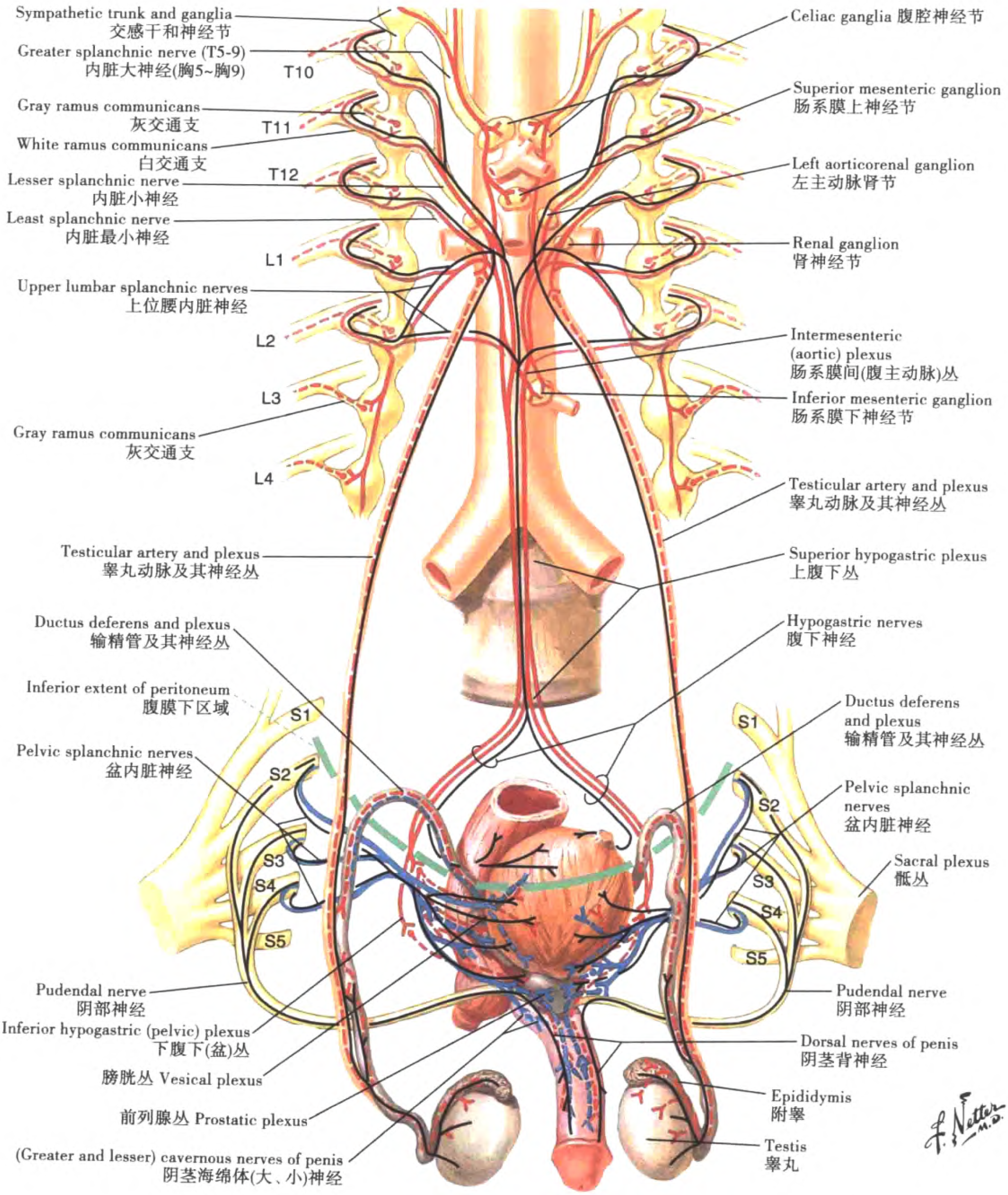


注：来自盆腔腹膜内位器官(如：子宫收缩)的痛觉经子宫阴道丛、盆丛、腹下神经、上腹下丛、腹主动脉丛下部、腰内脏神经下部、腰4和腰5交感干至胸11、12脊神经。来自盆腔腹膜外位器官(如宫颈扩张和阴道上部)的痛觉通过盆内脏神经至骶2、3、4传入。来自阴道下部和会阴的神经通过阴部神经至骶2、3、4传入。

Note: Pain from intraperitoneal pelvic viscera (e.g., uterine contractions) goes via uterovaginal and pelvic plexuses, hypogastric nerves, superior hypogastric plexus, lower aortic plexus, lower lumbar splanchnic nerves, sympathetic trunk from L4 to L5 to spinal nerves T11, 12. Pain from subperitoneal pelvic viscera (e.g., cervical dilation and upper vagina) goes via pelvic splanchnic nerves to S2, 3, 4. Afferent fibers from lower vagina and perineum go via pudendal nerves to S2, 3, 4.

交感神经纤维	节前纤维	——
	节后纤维	- - - -
副交感神经纤维	节前纤维	——（蓝）
	节后纤维	- - - -（蓝）
传入纤维		——（黑）

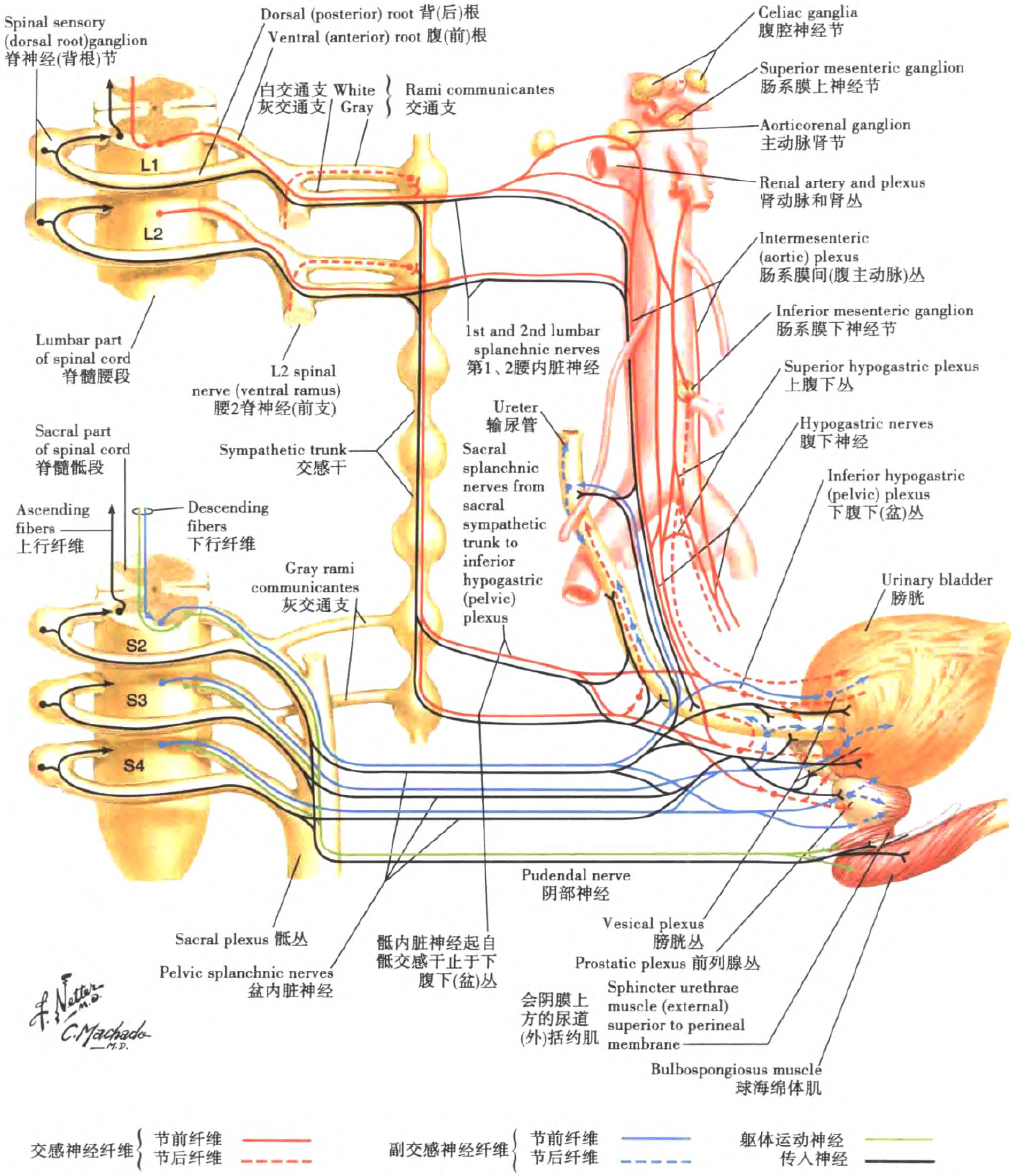
男性生殖器官的神经支配：示意图



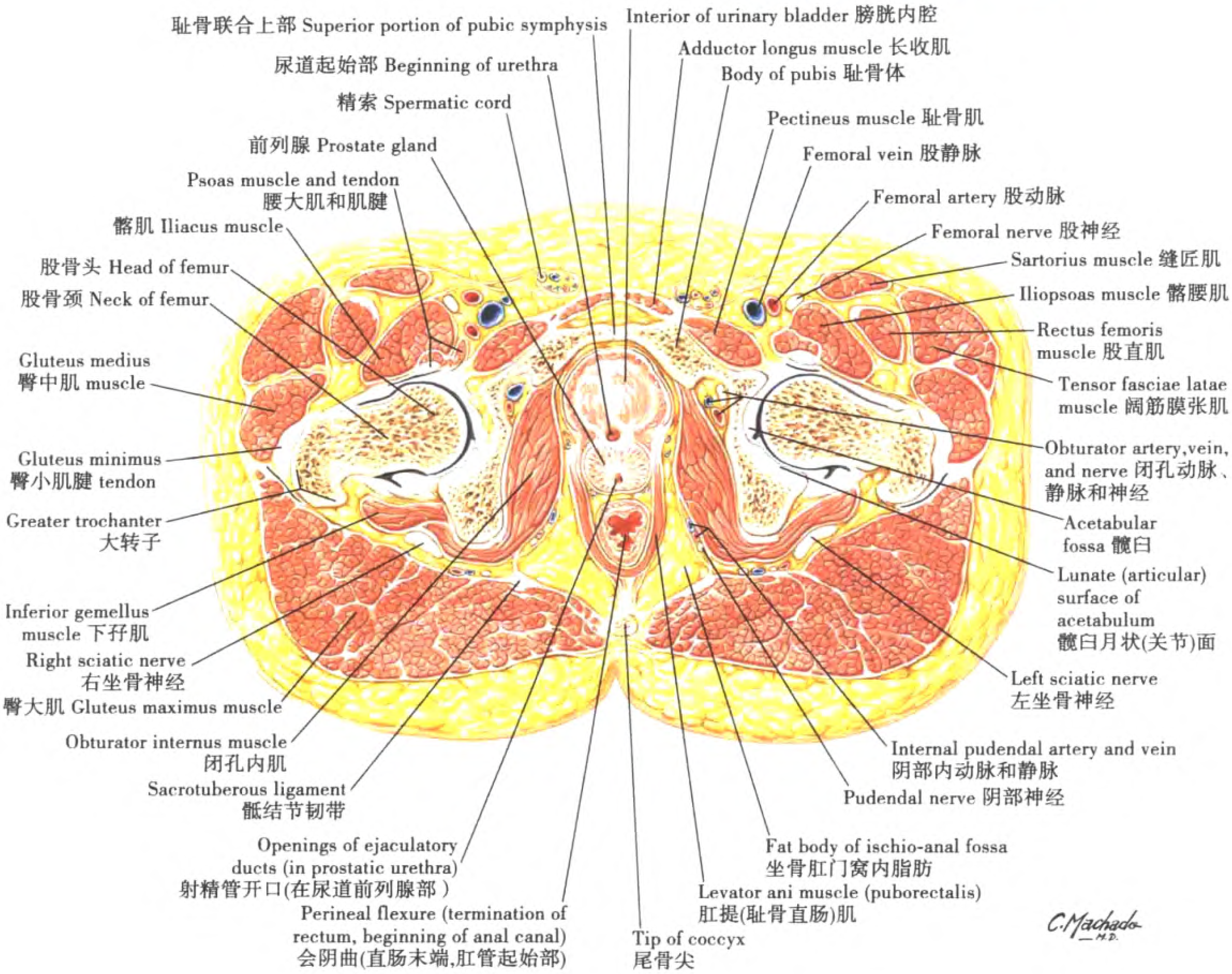
交感神经纤维 { 节前纤维 ——— 节后纤维 - - - -

副交感神经纤维 { 节前纤维 ——— 节后纤维 - - - -

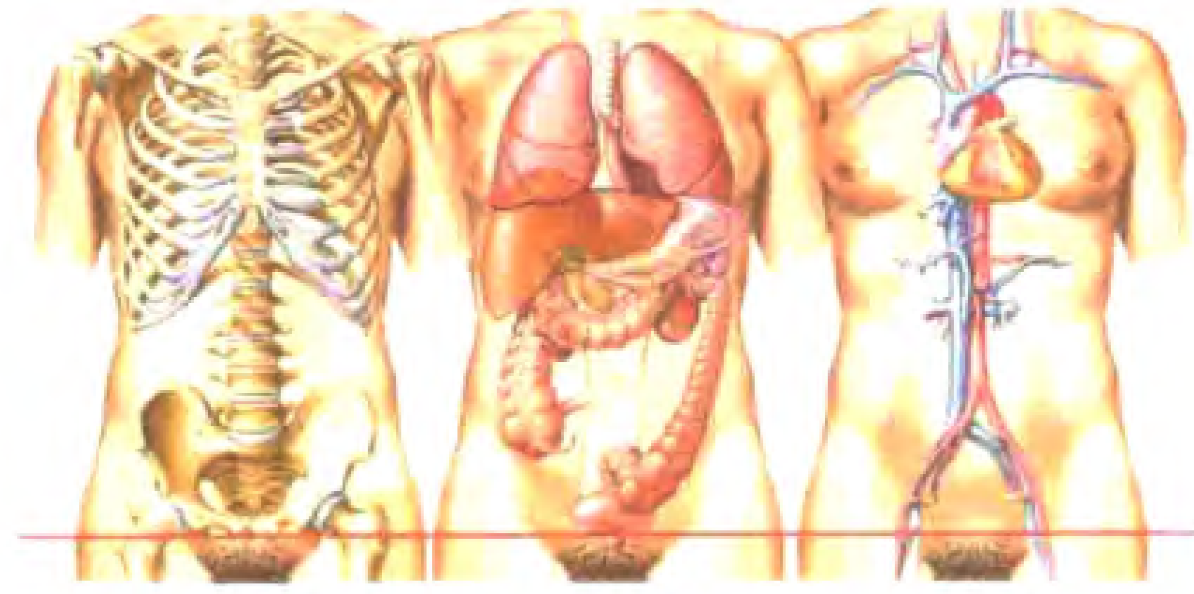
传入神经 ———

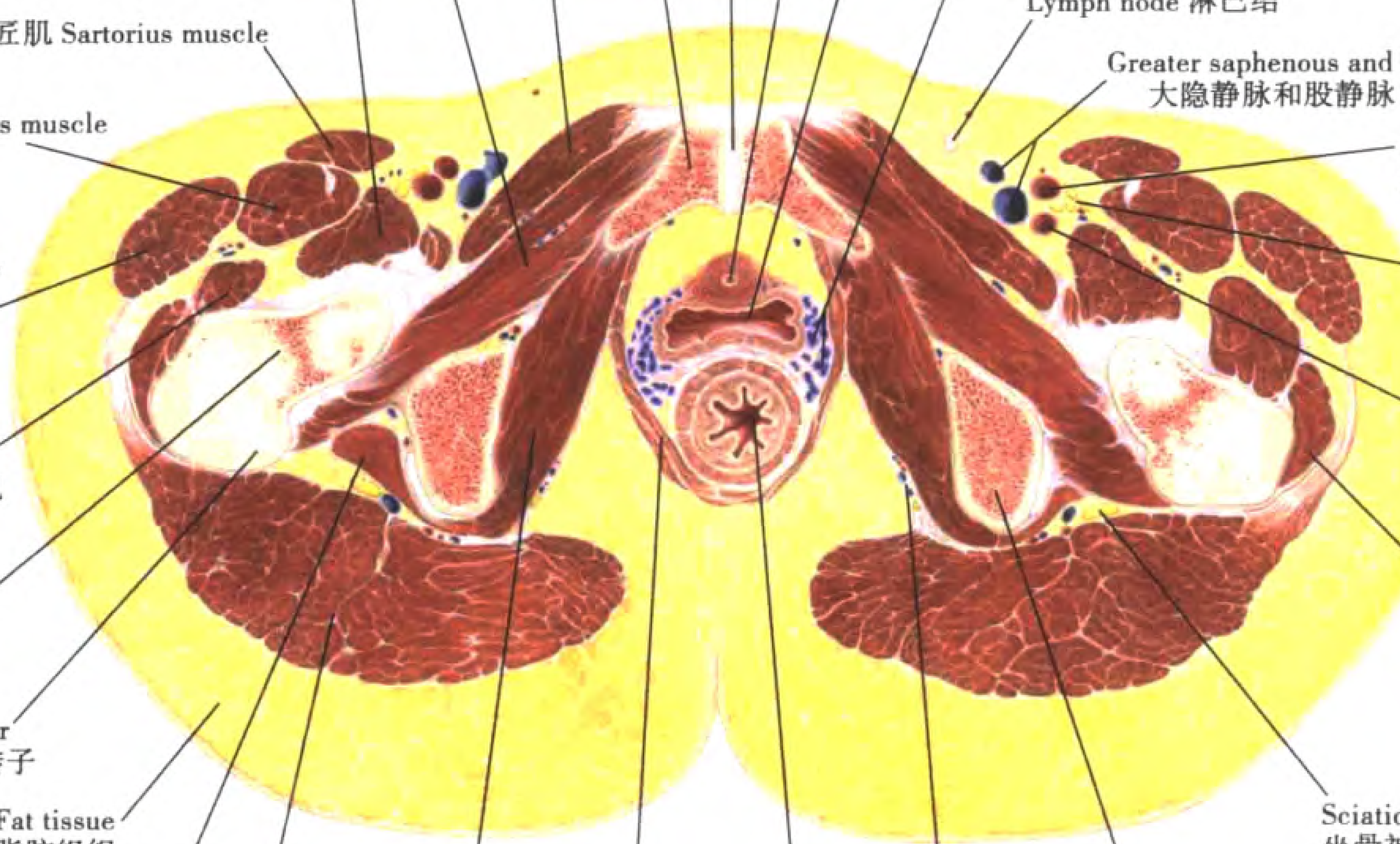

Spinal sensory (dorsal root)ganglion 脊神经(背根)节
Dorsal (posterior) root 背(后)根
Ventral (anterior) root 腹(前)根
白交通支 White
灰交通支 Gray
Rami communicantes 交通支
Celiac ganglia 腹腔神经节
Superior mesenteric ganglion 肠系膜上神经节
Aorticorenal ganglion 主动脉肾节
Renal artery and plexus 肾动脉和肾丛
Intermesenteric (aortic) plexus 肠系膜间(腹主动脉)丛
Inferior mesenteric ganglion 肠系膜下神经节
Superior hypogastric plexus 上腹下丛
Hypogastric nerves 腹下神经
Inferior hypogastric (pelvic) plexus 下腹下(盆)丛
Urinary bladder 膀胱
L1
L2
Lumbar part of spinal cord 脊髓腰段
L2 spinal nerve (ventral ramus) 腰2脊神经(前支)
1st and 2nd lumbar splanchnic nerves 第1、2腰内脏神经
Ureter 输尿管
Sacral part of spinal cord 脊髓骶段
Sympathetic trunk 交感干
Sacral splanchnic nerves from sacral sympathetic trunk to inferior hypogastric (pelvic) plexus
Ascending fibers 上行纤维
Descending fibers 下行纤维
Gray rami communicantes 灰交通支
S2
S3
S4
Pudendal nerve 阴部神经
Vesical plexus 膀胱丛
Prostatic plexus 前列腺丛
Sacral plexus 骶丛
Pelvic splanchnic nerves 盆内脏神经
骶内脏神经起自骶交感干止于下腹下(盆)丛
会阴膜上方的尿道(外)括约肌
Sphincter urethrae muscle (external) superior to perineal membrane
Bulbospongiosus muscle 球海绵体肌
F. Netter M.D.
C. Machado M.D.
交感神经纤维 节前纤维 节后纤维
副交感神经纤维 节前纤维 节后纤维
躯体运动神经
传入神经





耻骨联合上部 Superior portion of pubic symphysis
尿道起始部 Beginning of urethra
精索 Spermatic cord
前列腺 Prostate gland
Psoas muscle and tendon 腰大肌和肌腱
髂肌 Iliacus muscle
股骨头 Head of femur
股骨颈 Neck of femur
Gluteus medius 臀中肌 muscle
Gluteus minimus 臀小肌腱 tendon
Greater trochanter 大转子
Inferior gemellus muscle 下孖肌
Right sciatic nerve 右坐骨神经
臀大肌 Gluteus maximus muscle
Obturator internus muscle 闭孔内肌
Sacrotuberous ligament 骶结节韧带
Openings of ejaculatory ducts (in prostatic urethra) 射精管开口(在尿道前列腺部)
Perineal flexure (termination of rectum, beginning of anal canal) 会阴曲(直肠末端,肛管起始部)
Tip of coccyx 尾骨尖
Interior of urinary bladder 膀胱内腔
Adductor longus muscle 长收肌
Body of pubis 耻骨体
Pectineus muscle 耻骨肌
Femoral vein 股静脉
Femoral artery 股动脉
Femoral nerve 股神经
Sartorius muscle 缝匠肌
Iliopsoas muscle 髂腰肌
Rectus femoris muscle 股直肌
Tensor fasciae latae muscle 阔筋膜张肌
Obturator artery, vein, and nerve 闭孔动脉、静脉和神经
Acetabular fossa 髋臼
Lunate (articular) surface of acetabulum 髋臼月状(关节)面
Left sciatic nerve 左坐骨神经
Internal pudendal artery and vein 阴部内动脉和静脉
Pudendal nerve 阴部神经
Fat body of ischio-anal fossa 坐骨肛门窝内脂肪
Levator ani muscle (puborectalis) 肛提(耻骨直肠)肌
C. Machado M.D.

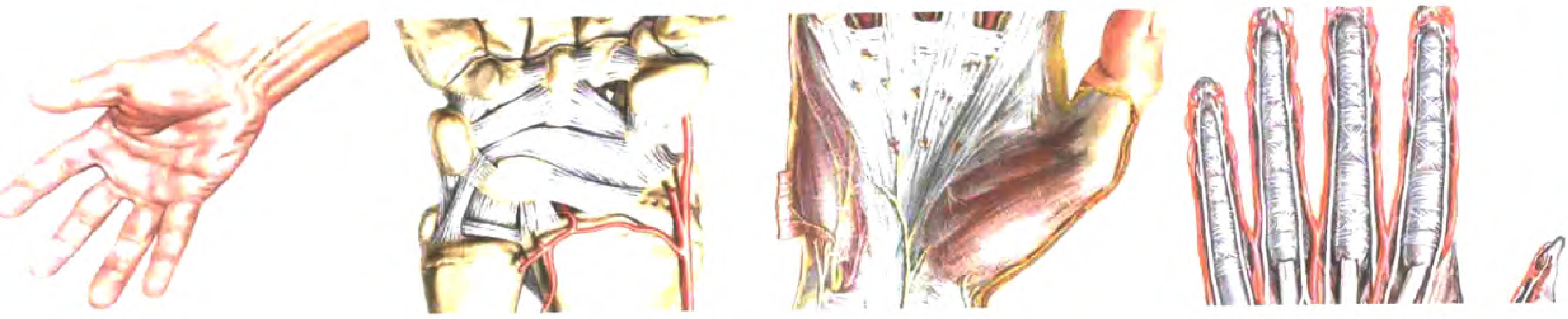



耻骨联合 Pubic symphysis
耻骨 Pubic bone
耻骨肌 Pectineus muscle
闭孔外肌 Obturator externus muscle
髂腰肌 Iliopsoas muscle
缝匠肌 Sartorius muscle
Rectus femoris muscle 股直肌
Tensor fasciae latae muscle 阔筋膜张肌
Vastus lateralis muscle 股外侧肌
Femur, neck 股骨颈
Femur, greater trochanter 股骨大转子
Fat tissue 脂肪组织
Inferior gemellus muscle 下孖肌
Gluteus maximus muscle 臀大肌
Obturator internus muscle 闭孔内肌
Levator ani muscle (puborectalis) 肛提肌(耻骨直肠)肌
Urethra 尿道
Vagina 阴道
Vaginal venous plexus 阴道静脉丛
Lymph node 淋巴结
Greater saphenous and femoral veins 大隐静脉和股静脉
Femoral artery 股动脉
Femoral nerve 股神经
Deep femoral artery 股深动脉
Gluteus medius muscle 臀中肌
Sciatic nerve 坐骨神经
Ischium 坐骨
Internal pudendal vessels and pudendal nerve 阴部内血管和阴部神经
Rectum 直肠
C. Machado M.D.

骨骼肌	近端附着点（起点）	远端附着点（止点）	神经支配	主要作用	动脉血供	肌群
球海绵体肌	男性：中缝、阴茎球、会阴中心腱 女性：会阴中心腱	男性：会阴膜、阴茎海绵体、阴茎球 女性：阴蒂背部，泌尿生殖膈下筋膜，前庭球和耻骨弓	阴部神经发出的会阴神经深支	男性：挤压阴茎球，在勃起时使血液进入阴茎体，分隔开尿道中的尿液和射精管中的精液 女性：收缩阴道口，协助前庭大腺分泌，推动血液进入阴蒂体	阴部内动脉及其分支（会阴动脉）	会阴
尾骨肌（坐骨尾骨肌）	坐骨棘、骶棘韧带	骶骨下部、尾骨	低位骶神经前支	支撑盆腔脏器，将尾骨拉向前方	臀下动脉	盆底
尿道逼尿肌（仅见于女性）	坐骨耻骨支	尿道前部	阴部神经会阴支	尿道括约肌	阴部内动脉会阴支	会阴
提睾肌	腹内斜肌下缘和腹股沟韧带中部	耻骨结节，耻骨嵴	生殖股神经生殖支	提拉睾丸	腹壁下动脉提睾肌支	精索
会阴深横肌	坐骨下支内侧面	男性：内侧腱缝和会阴中心腱 女性：阴道侧壁	阴部神经的会阴支	稳定会阴体，支撑前列腺/阴道	阴部内动脉会阴支	会阴
肛门外括约肌	尾骨尖、肛尾韧带	深层纤维环绕肛门，附着在尾部后部和会阴中点前部	阴部神经直肠下支和会阴支	闭合肛门外口	直肠下动脉和会阴横动脉	会阴
髂肌	髂窝上2/3，髂翼和骶髂韧带前面	股骨小转子，旋向后方止于腰大肌肌腱	股神经	屈髋、稳定髋关节，协同腰大肌	髂腰动脉髂支	大腿前群
坐骨海绵体肌	坐骨耻骨支内侧下面，坐骨结节	阴茎和阴蒂脚	阴部神经发出的会阴神经深支	在勃起时，推动血液进入阴茎体和阴蒂	阴部内动脉及其分支（会阴支）	会阴
肛提肌	阴茎体，闭孔膜腱弓，坐骨棘	会阴中心腱，尾骨、肛门尾骨脊、前列腺或阴茎壁、直肠、肛门	低位骶神经前支和会阴神经	支撑盆腔脏器，提升盆底	臀下动脉、阴部内动脉及其分支（直肠下动脉和会阴动脉）	盆底
闭孔内肌	闭孔膜盆面和周围骨	股骨大转子内面	闭孔内肌神经	外旋外展大腿，在髋部外展屈曲大腿	阴部内动脉和闭孔动脉	臀部

在人体中，骨骼肌的脊神经支配、起止点和主要作用的变异十分常见。因此，各书中描述略有不同，这种解剖学上的变异是正常现象。

骨骼肌	近端附着点（起点）	远端附着点（止点）	神经支配	主要作用	动脉血供	肌群
梨状肌	骶骨2～4的前面和骶结节韧带	股骨大转子前缘	L5、S1、S2脊神经前支	大腿伸直外旋，在髋部外展屈曲的大腿	臀上动脉和臀下动脉、阴部内动脉	臀部
耻骨直肠肌	耻骨联合下部，泌尿生殖膈浅面	环绕直肠，没有远端附着点	提肛肌神经			盆底
尿道括约肌	外侧纤维起自耻骨下支和坐骨支联合和邻近的筋膜；内侧纤维向中间环绕尿道膜部	男性：尿道前和后的正中脊 女性：邻近尿道，附着在阴道壁上	阴部神经的会阴支	排尿末程挤压尿道；在女性同时挤压远端阴道	阴部内动脉的会阴支	会阴
尿道阴道括约肌（仅见于女性）	会阴中心腱	向前并环绕阴道前部	阴部神经的会阴支	括约尿道和阴道	阴部动脉的会阴支	会阴
会阴浅横肌	坐骨支和坐骨结节	中心腱（会阴体）	阴部神经的会阴支	稳定中心腱	阴部内动脉的会阴支	会阴



6 上肢

表面解剖

图 398

398 上肢:表面解剖

皮肤解剖

图 399-403

399 上肢的皮肤节段性神经支配

400 上肢的皮神经支配

401 肩和臂的皮神经、浅静脉

402 前臂的皮神经和浅静脉

403 上肢的淋巴管和淋巴结

肩和腋窝

图 404-416

404 锁骨和胸锁关节

405 肱骨和肩胛骨:前面观

406 肱骨和肩胛骨:后面观

407 肩关节:前后位 X 线

408 肩(盂肱)关节

409 肩部的肌肉

410 腋窝:后壁

411 肩袖肌群

412 胸肌筋膜、锁胸筋膜和腋筋膜

413 肩胛胸区和肩胛肱区的解剖

414 腋动脉和肩胛动脉网

上肢

415 腋窝(解剖):前面观
416 臂丛神经:示意图

臂

图 417-421

417 臂的肌肉:前面观
418 臂的肌肉:后面观
419 肱动脉(原位)
420 臂及前臂近端的动脉
421 臂:连续横断面

肘和前臂

图 422-438

422 肘部的骨
423 肘关节:X 线成像
424 肘部的韧带
425 前臂的骨
426 前臂肌:旋转桡骨的肌肉
427 前臂肌:伸腕肌和伸指肌
428 前臂肌:屈腕肌
429 前臂肌:伸指肌
430 前臂肌(浅层):后面观
431 前臂肌(深层):后面观
432 前臂肌(浅层):前面观
433 前臂肌(中层):前面观
434 前臂肌(深层):前面观
435 前臂的动脉
436 前臂:连续横断面
437 前臂肌附着区:前面观
438 前臂肌附着区:后面观

腕和手

图 439-458

439 腕骨
440 腕关节的运动
441 腕关节的韧带
442 腕关节的韧带(续)
443 腕骨和手骨
444 腕和手:X 线成像
445 掌指韧带和指间韧带
446 腕和手:掌浅层解剖
447 腕和手:掌深层解剖
448 蚓状肌和滑膜囊、间隙和腱鞘:示意图
449 腕部的屈肌腱、动脉和神经
450 手的滑膜囊、间隙和腱鞘
451 手指的屈肌腱和伸肌腱
452 手内在肌
453 手的动脉和神经:掌侧面观
454 腕和手:桡侧浅层解剖
455 腕和手:背侧浅层解剖
456 腕和手:背侧深层解剖
457 腕部伸肌腱
458 手指

神经与血管

图 459-466

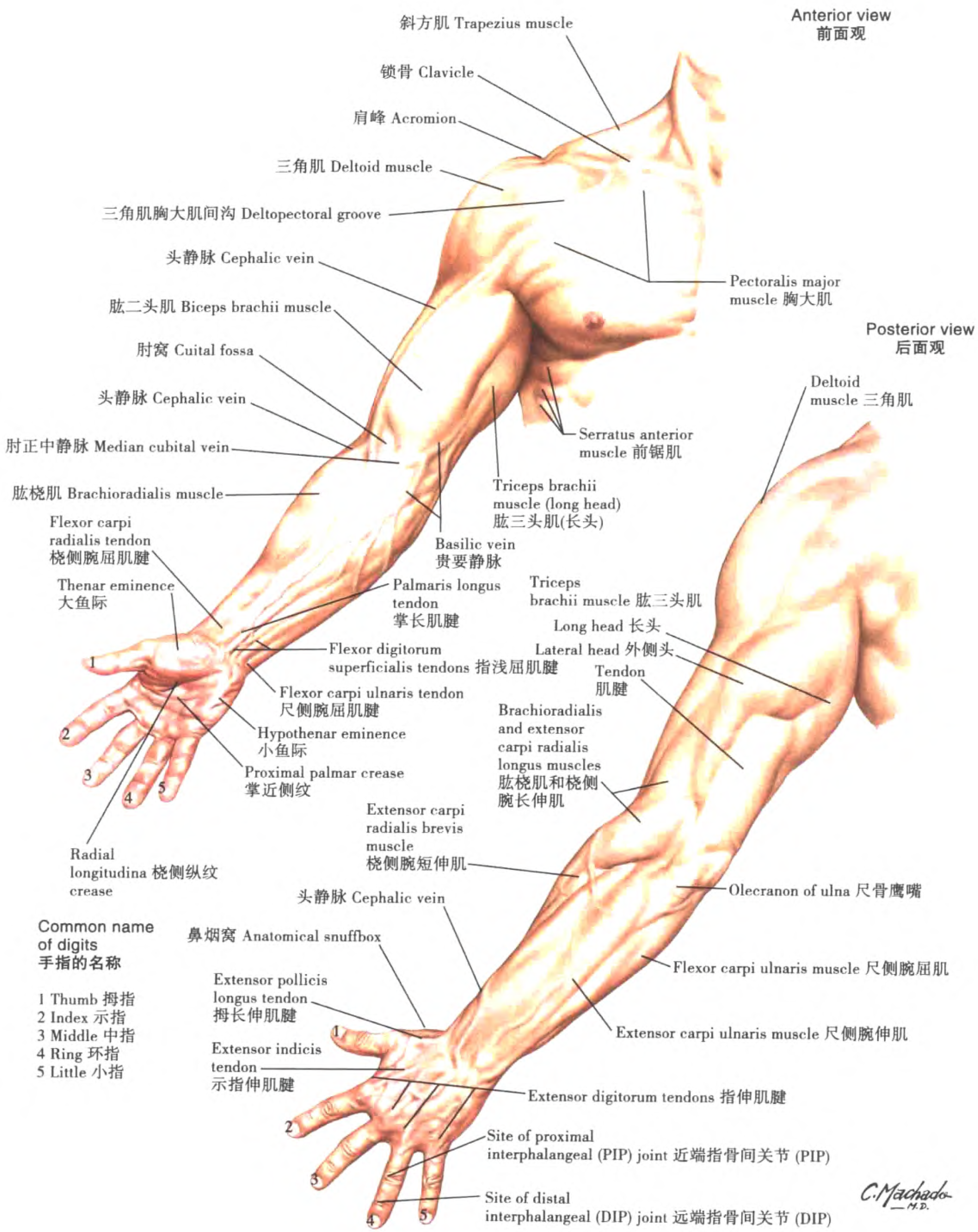
459 腕和手的皮神经支配
460 上肢的动脉和神经
461 上肢的神经
462 肌皮神经
463 正中神经
464 尺神经
465 桡神经臂段和肩部背侧面的神经
466 桡神经前臂段

局部扫描成像

图 467

467 肩关节 MRI、CT 和关节成像

肌肉总表



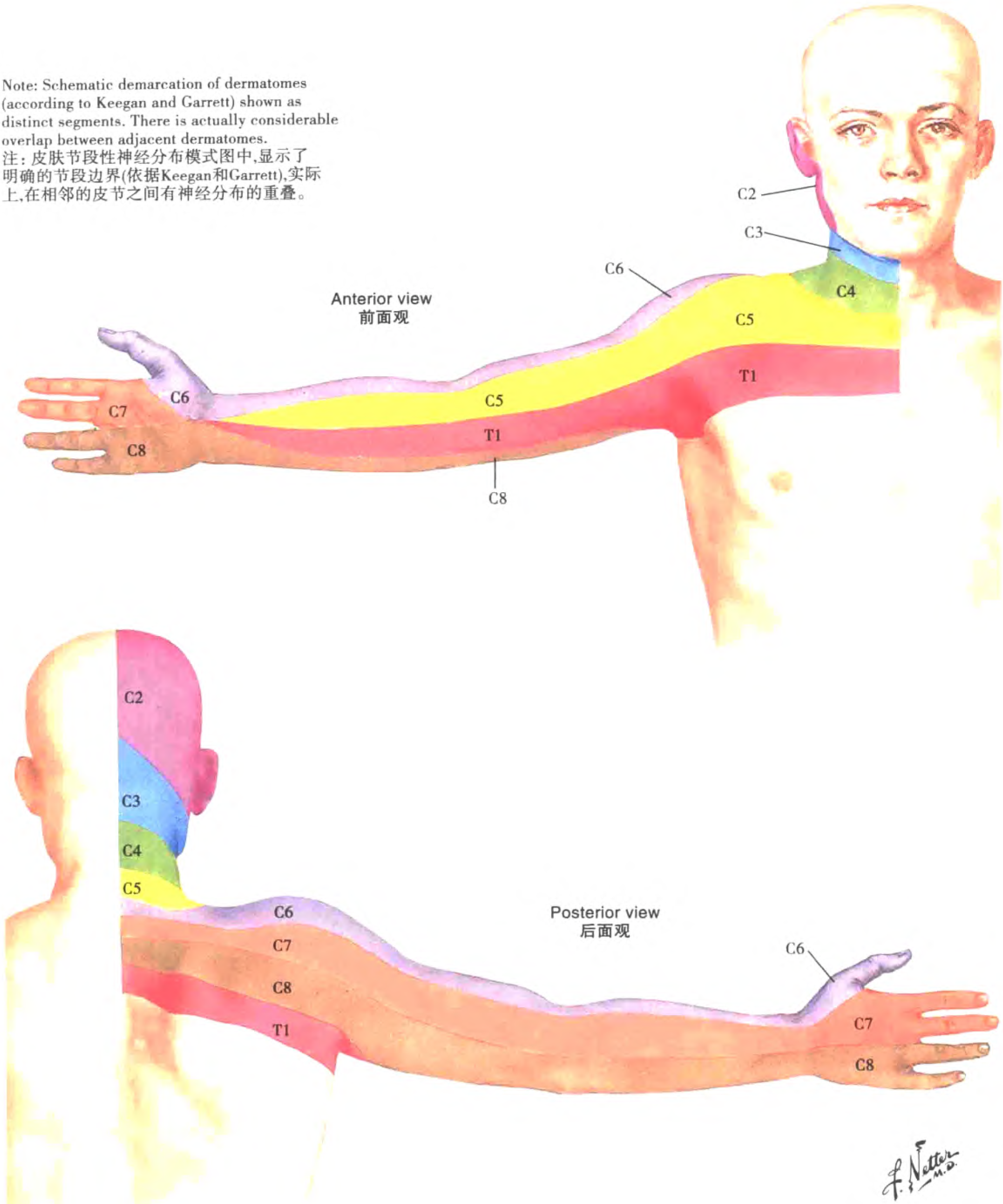
Common name of digits
手指的名称

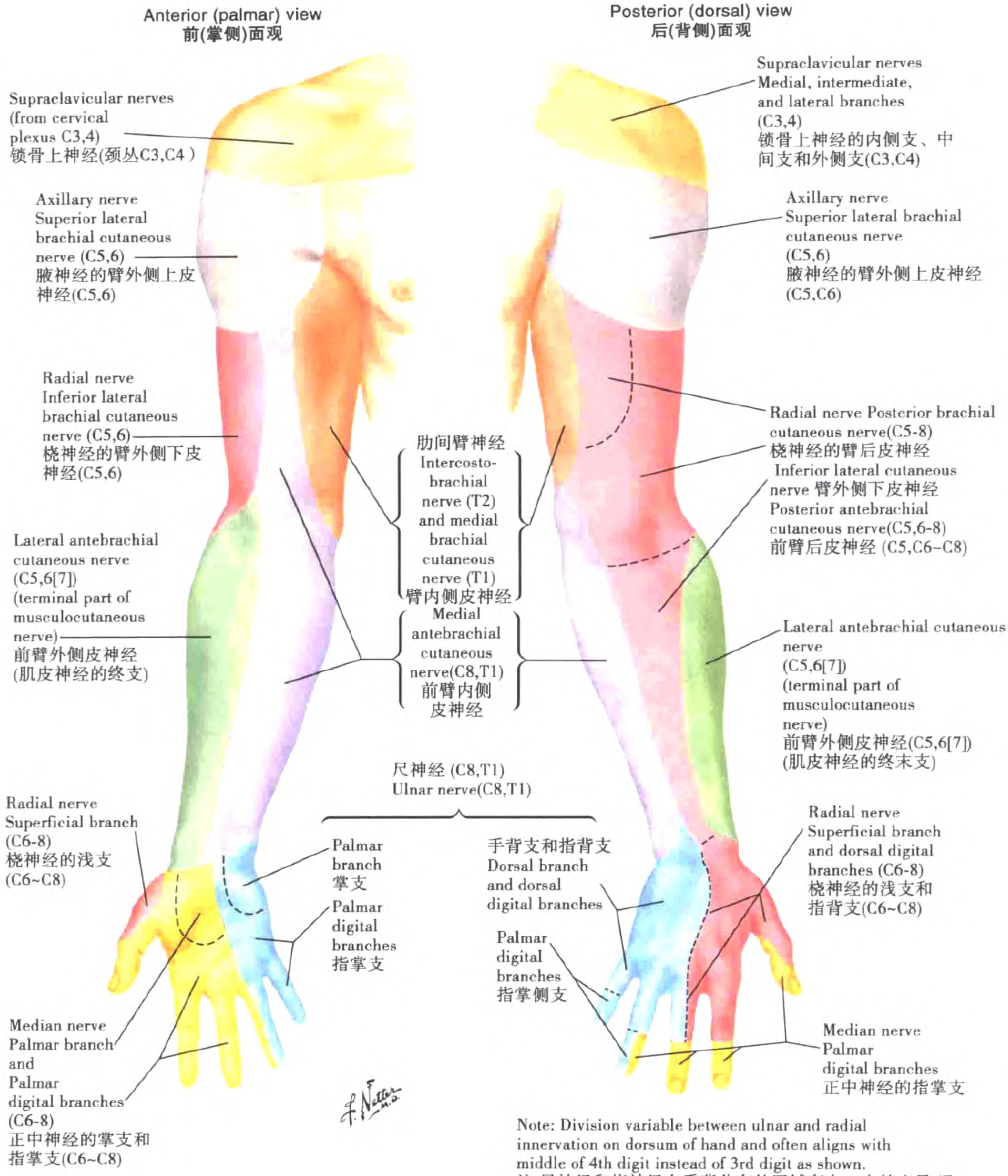
1 Thumb 拇指
2 Index 示指
3 Middle 中指
4 Ring 环指
5 Little 小指

图 398 表面解剖

参见图 162

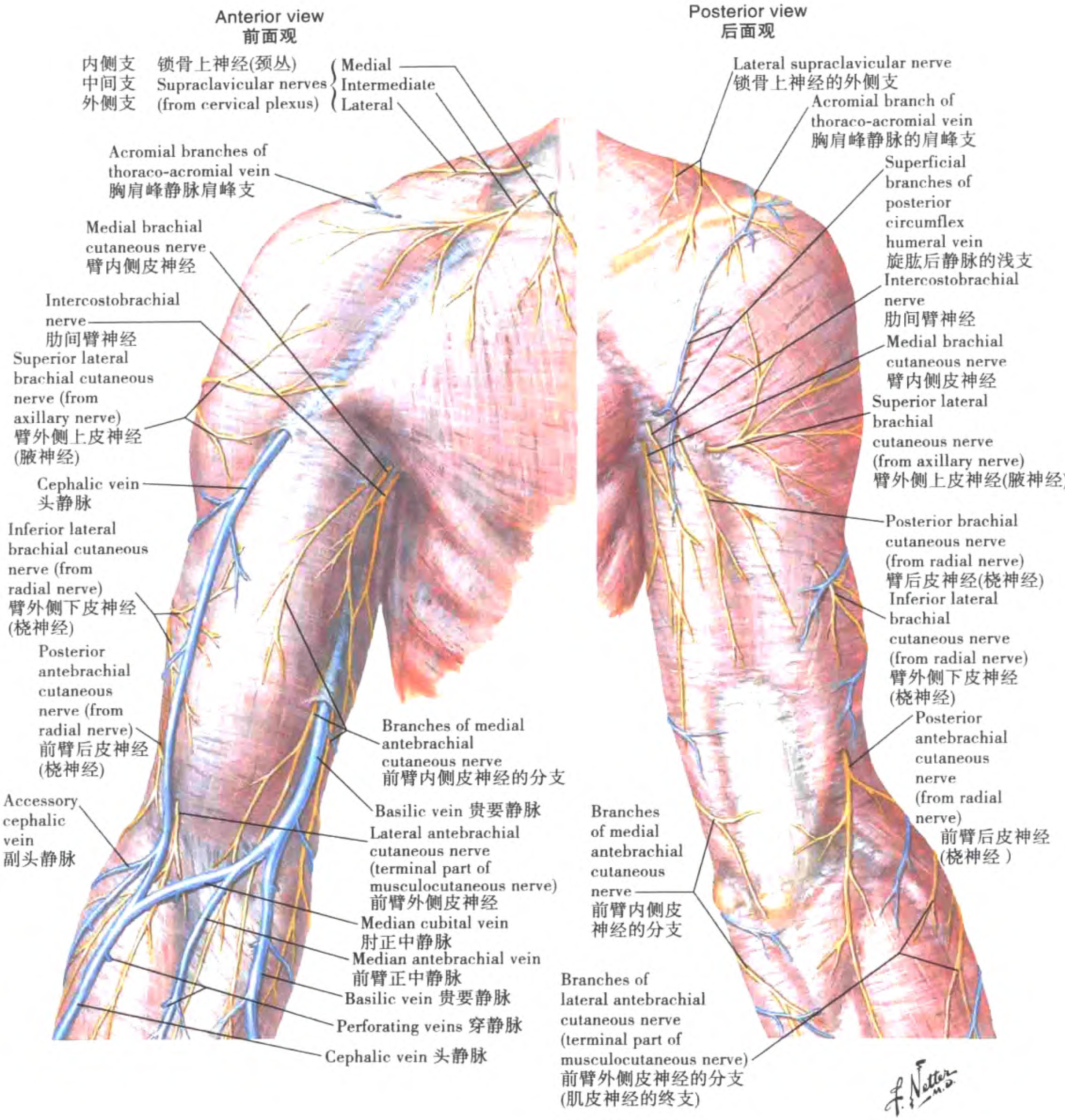
Note: Schematic demarcation of dermatomes (according to Keegan and Garrett) shown as distinct segments. There is actually considerable overlap between adjacent dermatomes.
注：皮肤节段性神经分布模式图中，显示了明确的节段边界(依据Keegan和Garrett)，实际上，在相邻的皮节之间有神经分布的重叠。

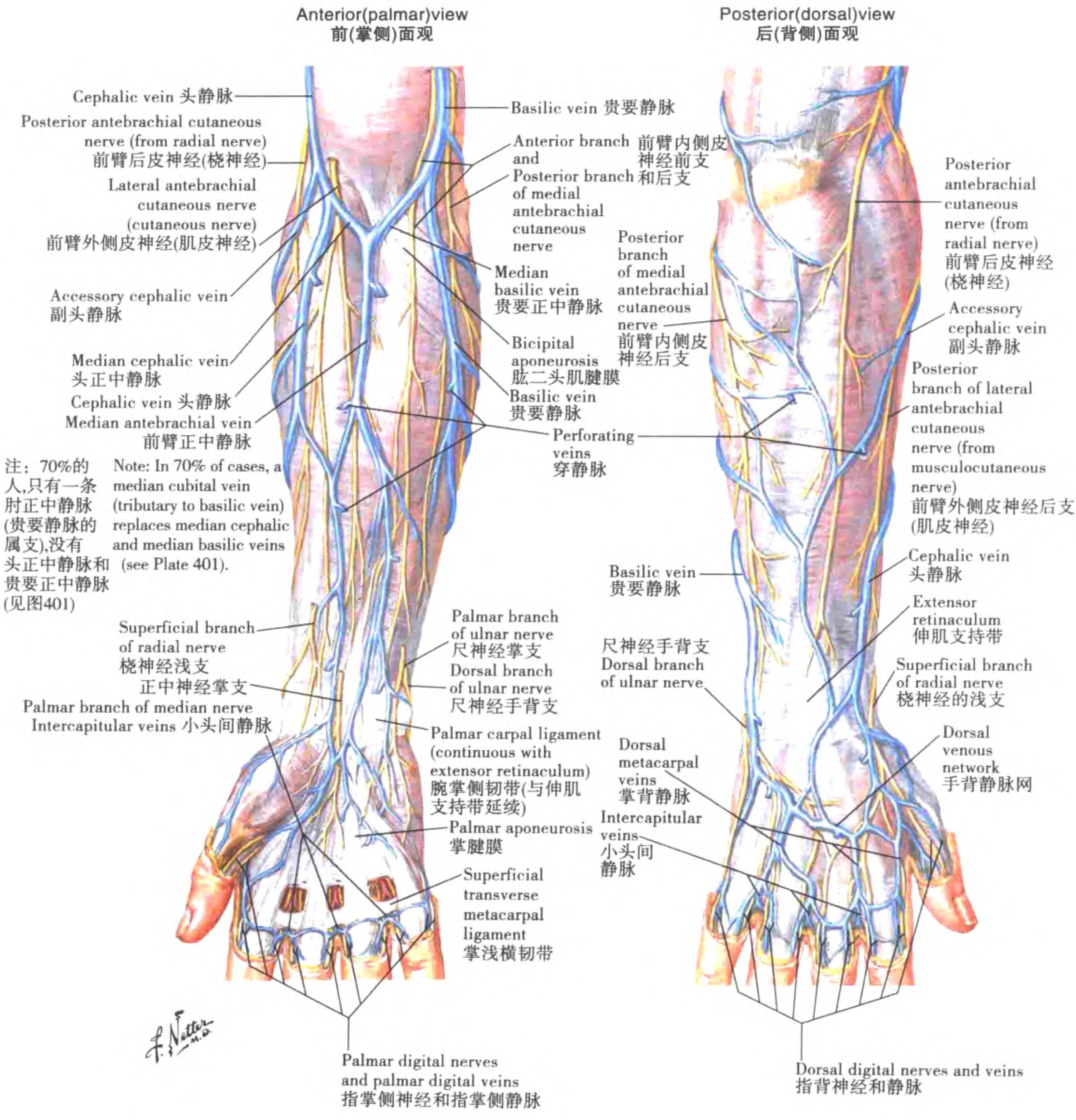




Note: Division variable between ulnar and radial innervation on dorsum of hand and often aligns with middle of 4th digit instead of 3rd digit as shown.
注:尺神经和桡神经在手背分布的区域存在一定的变异,通常以第四指正中为界,而不是如图所示的第三指的正中。

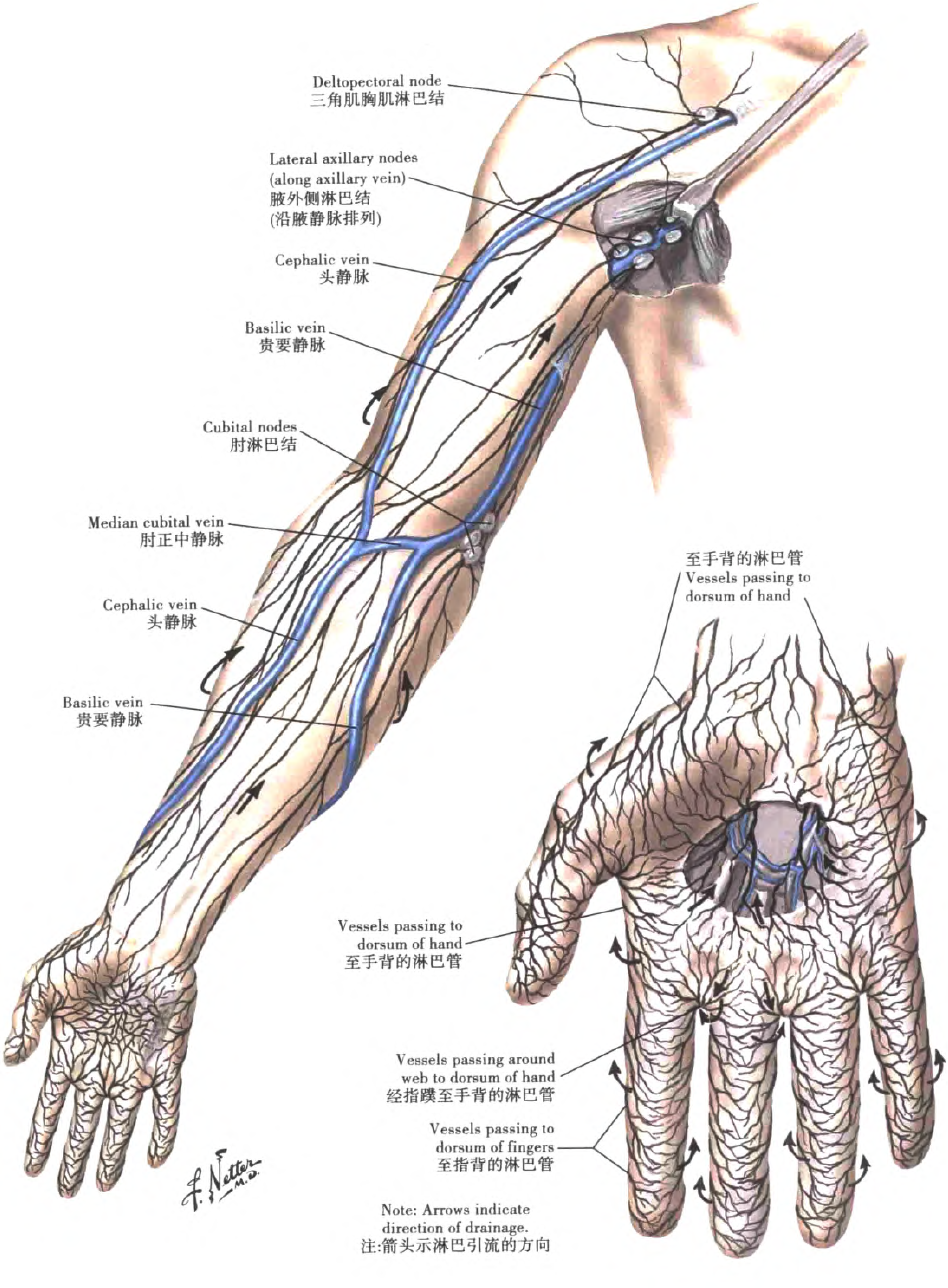
参见图 252，419


Anterior view
前面观
内侧支
中间支
外侧支
锁骨上神经(颈丛)
Supraclavicular nerves
(from cervical plexus)
Medial
Intermediate
Lateral
Acromial branches of thoraco-acromial vein
胸肩峰静脉肩峰支
Medial brachial cutaneous nerve
臂内侧皮神经
Intercostobrachial nerve
肋间臂神经
Superior lateral brachial cutaneous nerve (from axillary nerve)
臂外侧上皮神经(腋神经)
Cephalic vein
头静脉
Inferior lateral brachial cutaneous nerve (from radial nerve)
臂外侧下皮神经(桡神经)
Posterior antebrachial cutaneous nerve (from radial nerve)
前臂后皮神经(桡神经)
Accessory cephalic vein
副头静脉
Branches of medial antebrachial cutaneous nerve
前臂内侧皮神经的分支
Basilic vein 贵要静脉
Lateral antebrachial cutaneous nerve (terminal part of musculocutaneous nerve)
前臂外侧皮神经
Median cubital vein
肘正中静脉
Median antebrachial vein
前臂正中静脉
Basilic vein 贵要静脉
Perforating veins 穿静脉
Cephalic vein 头静脉
Posterior view
后面观
Lateral supraclavicular nerve
锁骨上神经的外侧支
Acromial branch of thoraco-acromial vein
胸肩峰静脉的肩峰支
Superficial branches of posterior circumflex humeral vein
旋肱后静脉的浅支
Intercostobrachial nerve
肋间臂神经
Medial brachial cutaneous nerve
臂内侧皮神经
Superior lateral brachial cutaneous nerve (from axillary nerve)
臂外侧上皮神经(腋神经)
Posterior brachial cutaneous nerve (from radial nerve)
臂后皮神经(桡神经)
Inferior lateral brachial cutaneous nerve (from radial nerve)
臂外侧下皮神经(桡神经)
Posterior antebrachial cutaneous nerve (from radial nerve)
前臂后皮神经(桡神经)
Branches of medial antebrachial cutaneous nerve
前臂内侧皮神经的分支
Branches of lateral antebrachial cutaneous nerve (terminal part of musculocutaneous nerve)
前臂外侧皮神经的分支(肌皮神经的终支)
F. Netter M.D.

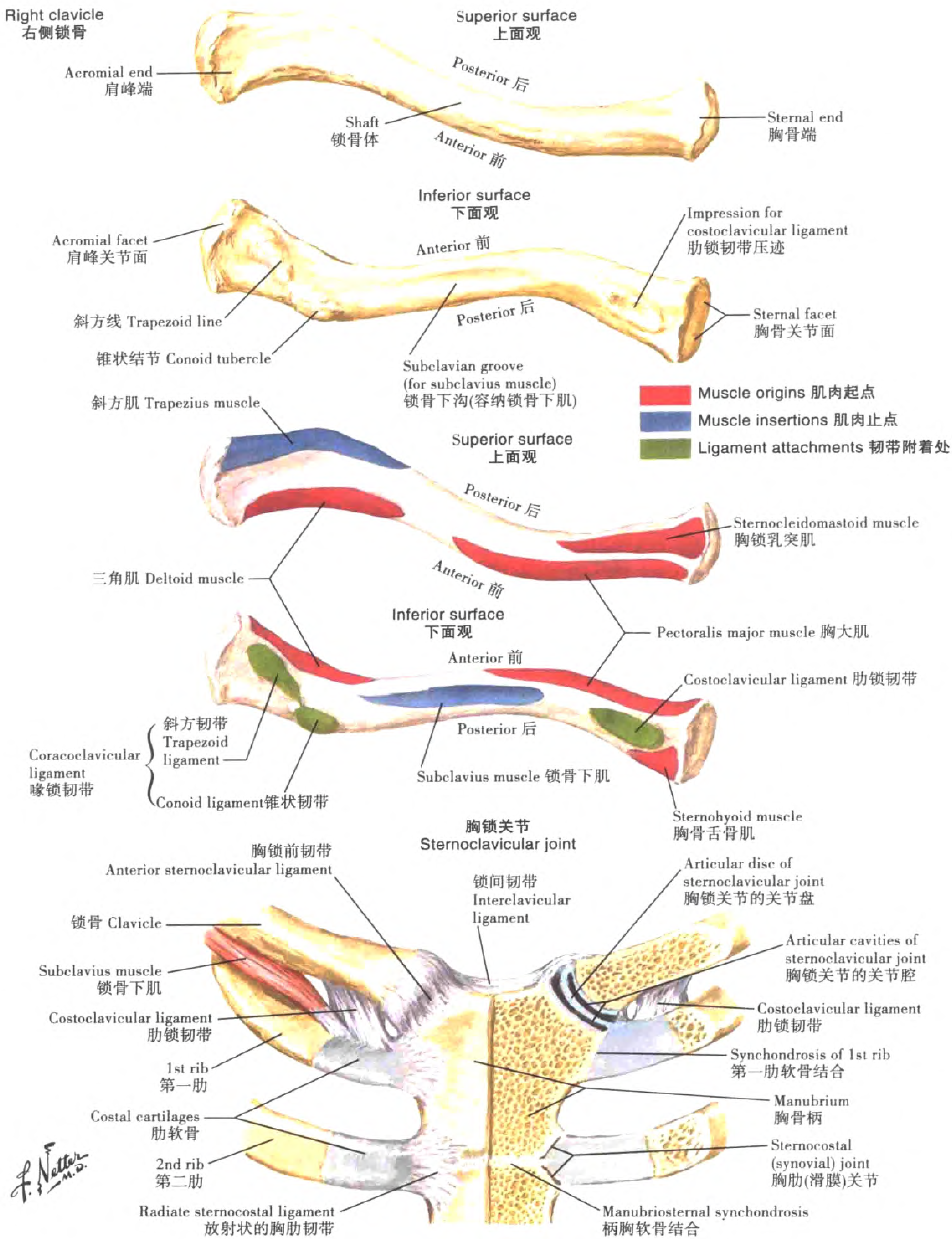

Anterior(palmar)view
前(掌侧)面观
Posterior(dorsal)view
后(背侧)面观
Cephalic vein 头静脉
Posterior antebrachial cutaneous nerve (from radial nerve)
前臂后皮神经(桡神经)
Lateral antebrachial cutaneous nerve (cutaneous nerve)
前臂外侧皮神经(肌皮神经)
Accessory cephalic vein
副头静脉
Median cephalic vein
头正中静脉
Cephalic vein 头静脉
Median antebrachial vein
前臂正中静脉
注：70%的人,只有一条肘正中静脉(贵要静脉的属支),没有头正中静脉和贵要正中静脉(见图401)
Note: In 70% of cases, a median cubital vein (tributary to basilic vein) replaces median cephalic and median basilic veins (see Plate 401).
Superficial branch of radial nerve
桡神经浅支
正中神经掌支
Palmar branch of median nerve
Intercapitular veins 小头间静脉
Basilic vein 贵要静脉
Anterior branch and Posterior branch of medial antebrachial cutaneous nerve
前臂内侧皮神经前支和后支
Median basilic vein
贵要正中静脉
Bicipital aponeurosis
肱二头肌腱膜
Basilic vein
贵要静脉
Perforating veins
穿静脉
Palmar branch of ulnar nerve
尺神经掌支
Dorsal branch of ulnar nerve
尺神经手背支
Palmar carpal ligament (continuous with extensor retinaculum)
腕掌侧韧带(与伸肌支持带延续)
Palmar aponeurosis
掌腱膜
Superficial transverse metacarpal ligament
掌浅横韧带
Palmar digital nerves and palmar digital veins
指掌侧神经和指掌侧静脉
Posterior branch of medial antebrachial cutaneous nerve
前臂内侧皮神经后支
Basilic vein
贵要静脉
尺神经手背支
Dorsal branch of ulnar nerve
Dorsal metacarpal veins
掌背静脉
Intercapitular veins
小头间静脉
Posterior antebrachial cutaneous nerve (from radial nerve)
前臂后皮神经(桡神经)
Accessory cephalic vein
副头静脉
Posterior branch of lateral antebrachial cutaneous nerve (from musculocutaneous nerve)
前臂外侧皮神经后支(肌皮神经)
Cephalic vein
头静脉
Extensor retinaculum
伸肌支持带
Superficial branch of radial nerve
桡神经的浅支
Dorsal venous network
手背静脉网
Dorsal digital nerves and veins
指背神经和静脉

上肢的淋巴管和淋巴结

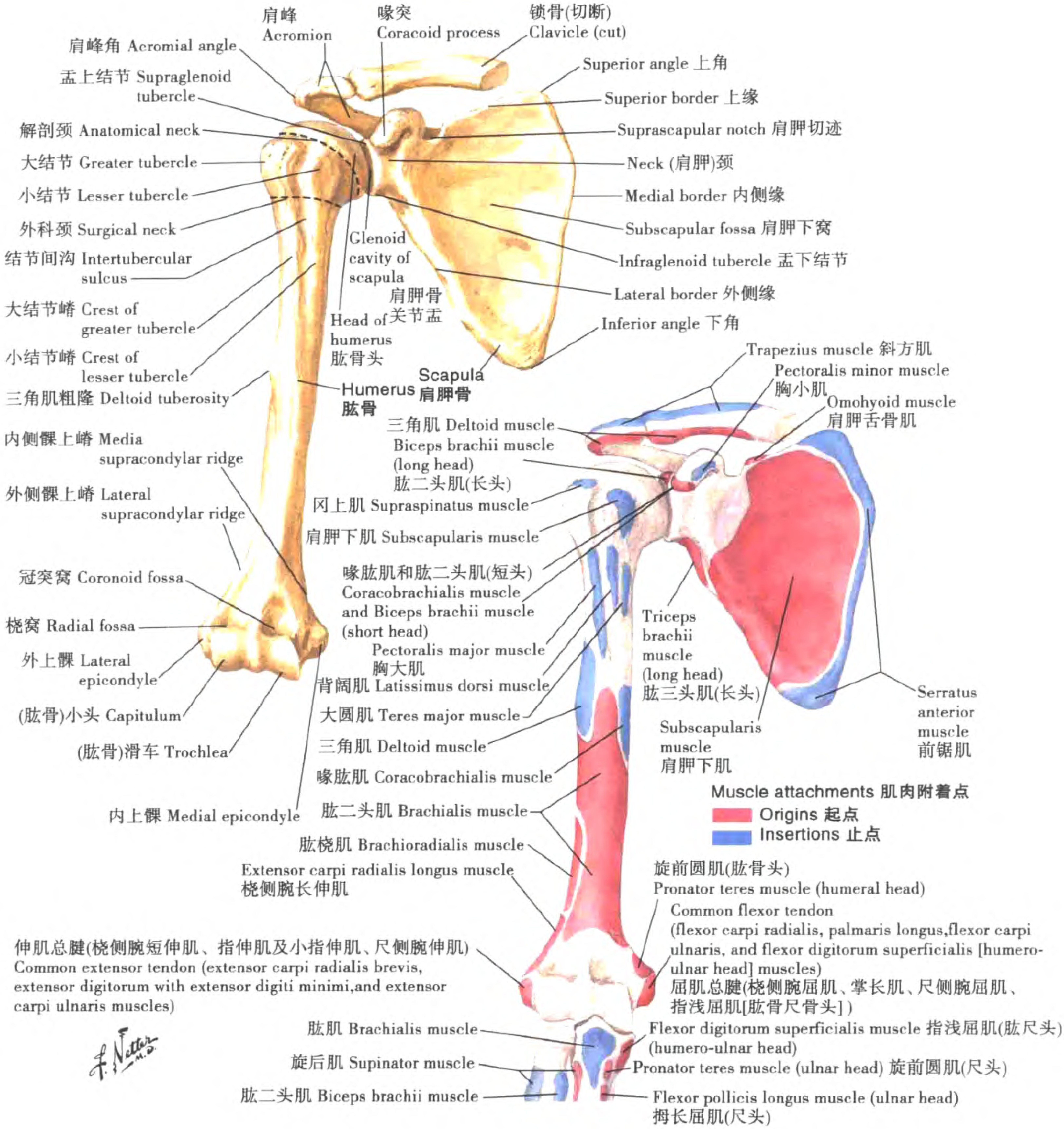
参见图 181,455



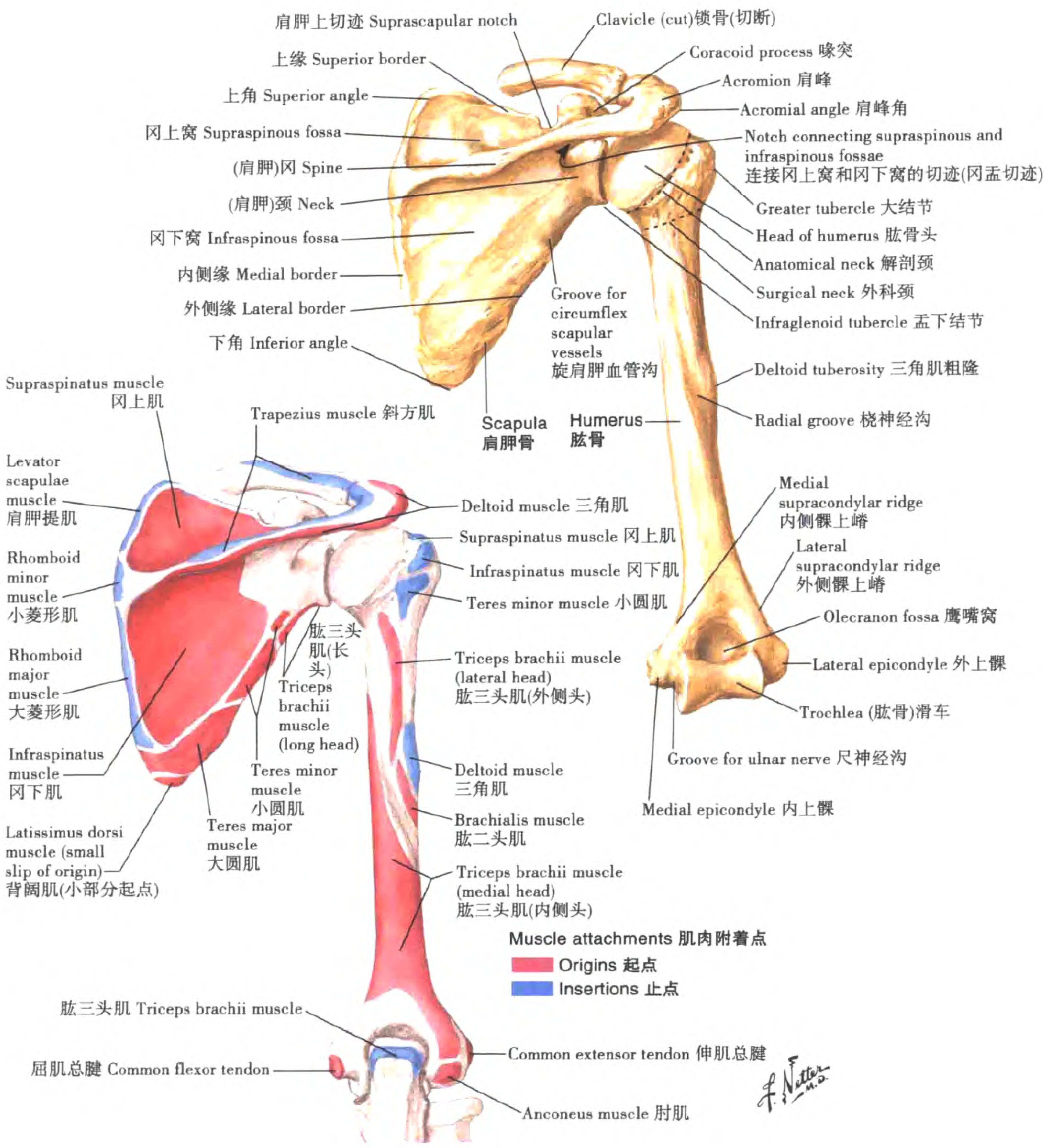
Note: Arrows indicate direction of drainage.
注:箭头示淋巴引流的方向


Right clavicle
右侧锁骨
Superior surface
上面观
Acromial end
肩峰端
Posterior 后
Shaft
锁骨体
Anterior 前
Sternal end
胸骨端
Inferior surface
下面观
Acromial facet
肩峰关节面
Anterior 前
Impression for costoclavicular ligament
肋锁韧带压迹
斜方线 Trapezoid line
Posterior 后
Sternal facet
胸骨关节面
锥状结节 Conoid tubercle
Subclavian groove (for subclavius muscle)
锁骨下沟(容纳锁骨下肌)
Muscle origins 肌肉起点
Muscle insertions 肌肉止点
Ligament attachments 韧带附着处
斜方肌 Trapezius muscle
Superior surface
上面观
Posterior 后
Sternocleidomastoid muscle
胸锁乳突肌
三角肌 Deltoid muscle
Anterior 前
Inferior surface
下面观
Pectoralis major muscle 胸大肌
Anterior 前
Costoclavicular ligament 肋锁韧带
Coracoclavicular ligament
喙锁韧带
斜方韧带
Trapezoid ligament
Posterior 后
Subclavius muscle 锁骨下肌
Conoid ligament锥状韧带
Sternohyoid muscle
胸骨舌骨肌
胸锁关节
Sternoclavicular joint
胸锁前韧带
Anterior sternoclavicular ligament
锁间韧带
Interclavicular ligament
Articular disc of sternoclavicular joint
胸锁关节的关节盘
锁骨 Clavicle
Articular cavities of sternoclavicular joint
胸锁关节的关节腔
Subclavius muscle
锁骨下肌
Costoclavicular ligament
肋锁韧带
Costoclavicular ligament
肋锁韧带
Synchondrosis of 1st rib
第一肋软骨结合
1st rib
第一肋
Manubrium
胸骨柄
Costal cartilages
肋软骨
Sternocostal (synovial) joint
胸肋(滑膜)关节
2nd rib
第二肋
Radiate sternocostal ligament
放射状的胸肋韧带
Manubriosternal synchondrosis
柄胸软骨结合
F. Netter M.D.

参见图 183,407,422

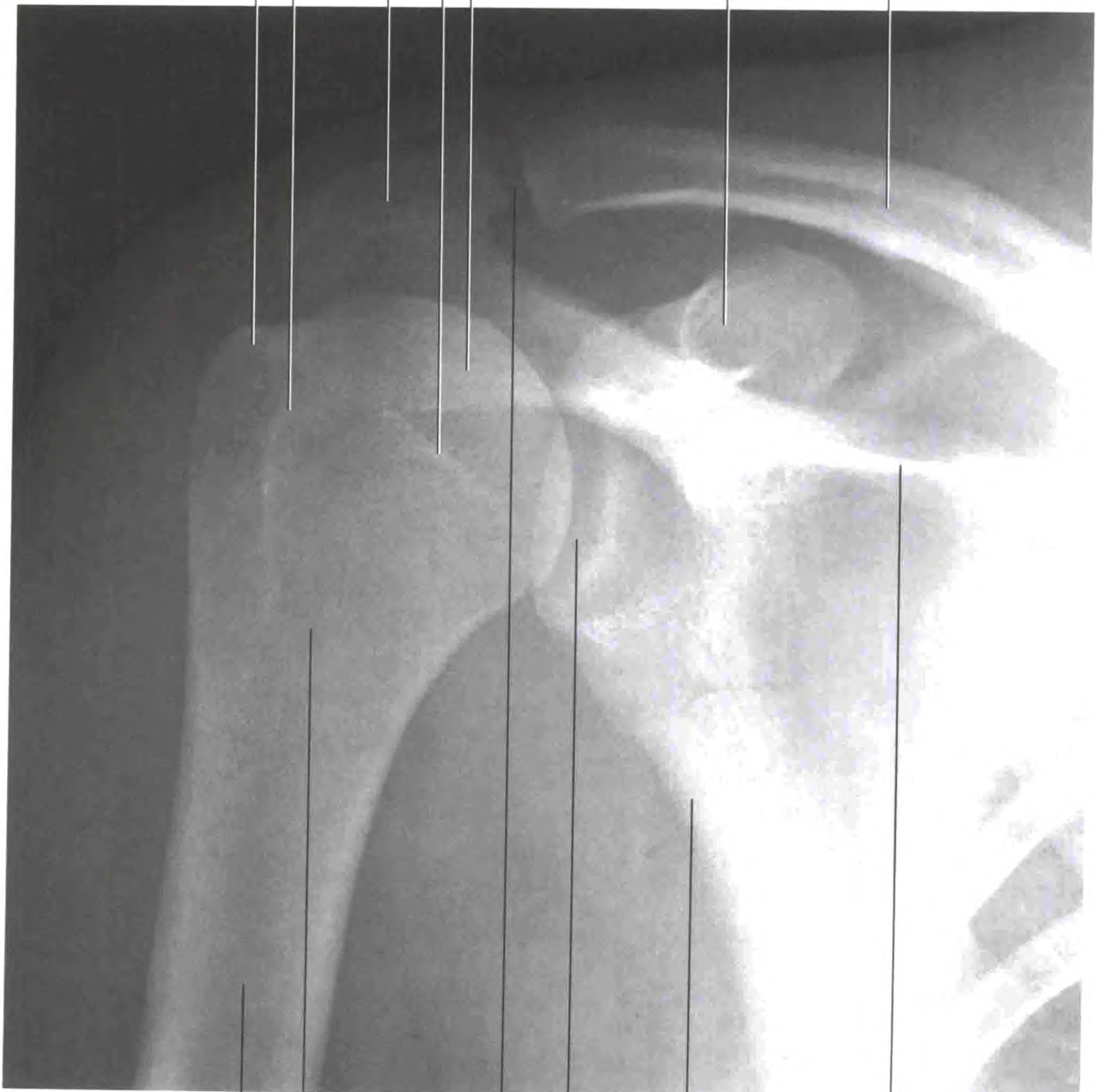


参见图 183



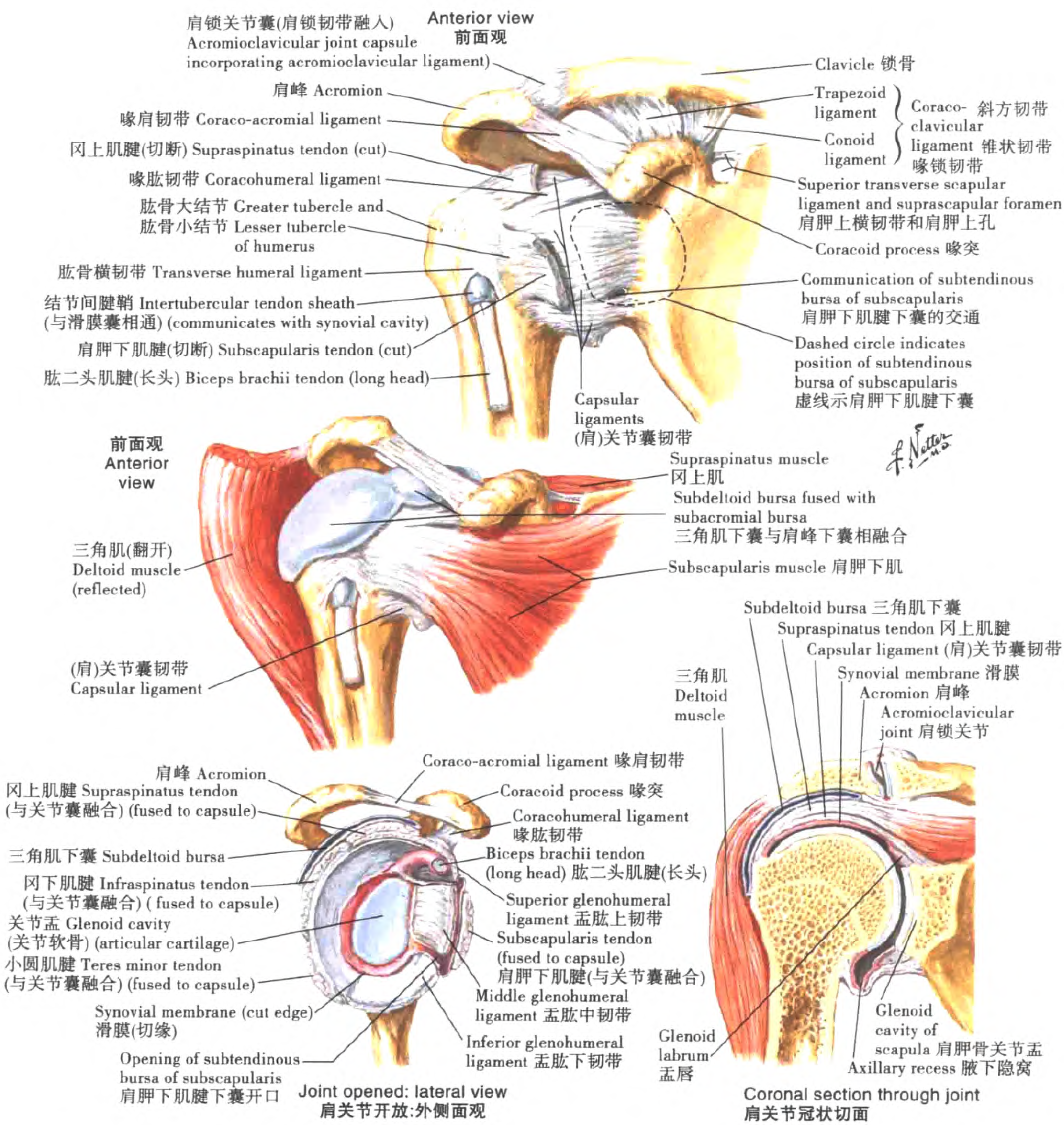
肩胛上切迹 Suprascapular notch
上缘 Superior border
上角 Superior angle
冈上窝 Supraspinous fossa
(肩胛)冈 Spine
(肩胛)颈 Neck
冈下窝 Infraspinous fossa
内侧缘 Medial border
外侧缘 Lateral border
下角 Inferior angle
Clavicle (cut)锁骨(切断)
Coracoid process 喙突
Acromion 肩峰
Acromial angle 肩峰角
Notch connecting supraspinous and infraspinous fossae
连接冈上窝和冈下窝的切迹(冈盂切迹)
Greater tubercle 大结节
Head of humerus 肱骨头
Anatomical neck 解剖颈
Surgical neck 外科颈
Infraglenoid tubercle 盂下结节
Groove for circumflex scapular vessels
旋肩胛血管沟
Deltoid tuberosity 三角肌粗隆
Radial groove 桡神经沟
Scapula
肩胛骨
Humerus
肱骨
Medial supracondylar ridge
内侧髁上嵴
Lateral supracondylar ridge
外侧髁上嵴
Olecranon fossa 鹰嘴窝
Lateral epicondyle 外上髁
Trochlea (肱骨)滑车
Groove for ulnar nerve 尺神经沟
Medial epicondyle 内上髁
Supraspinatus muscle
冈上肌
Trapezius muscle 斜方肌
Levator scapulae muscle
肩胛提肌
Rhomboid minor muscle
小菱形肌
Rhomboid major muscle
大菱形肌
Infraspinatus muscle
冈下肌
Latissimus dorsi muscle (small slip of origin)
背阔肌(小部分起点)
肱三头肌(长头)
Triceps brachii muscle (long head)
Teres minor muscle
小圆肌
Teres major muscle
大圆肌
Deltoid muscle 三角肌
Supraspinatus muscle 冈上肌
Infraspinatus muscle 冈下肌
Teres minor muscle 小圆肌
Triceps brachii muscle (lateral head)
肱三头肌(外侧头)
Deltoid muscle
三角肌
Brachialis muscle
肱二头肌
Triceps brachii muscle (medial head)
肱三头肌(内侧头)
Muscle attachments 肌肉附着点
Origins 起点
Insertions 止点
肱三头肌 Triceps brachii muscle
屈肌总腱 Common flexor tendon
Common extensor tendon 伸肌总腱
Anconeus muscle 肘肌
F. Netter M.D.

参见图 405



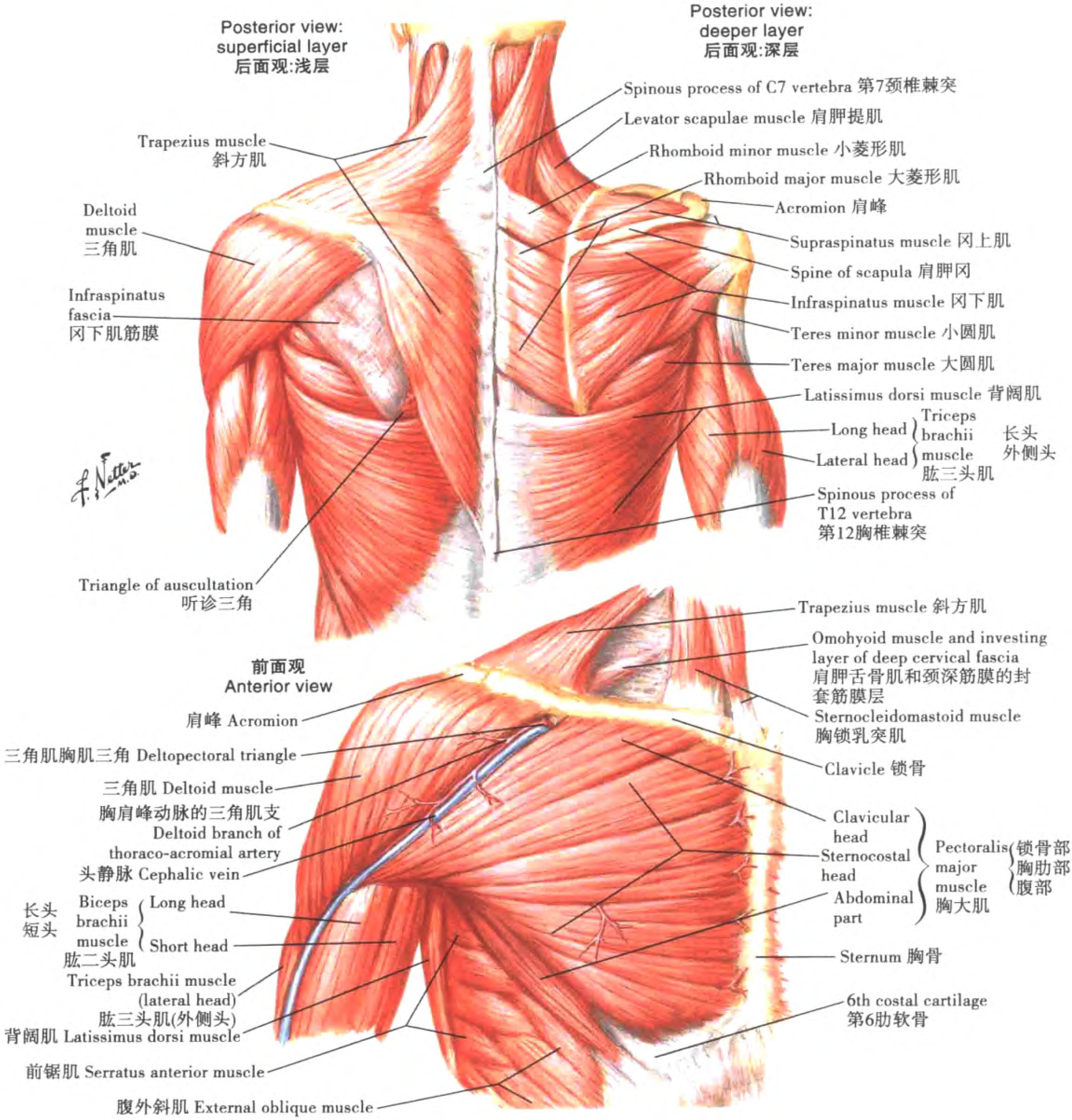
Greater tubercle 大结节
Lesser tubercle 小结节
Acromion 肩峰
Anatomical neck of humerus 肱骨解剖颈
Coracoid process 喙突
Clavicle 锁骨
Head of humerus 肱骨头
Acromioclavicular joint space 肩锁关节间隙
Spine of scapula 肩胛冈
Scapula (lateral or axillary border) 肩胛骨(外侧缘或腋缘)
Surgical neck of humerus 肱骨外科颈
Glenoid cavity of scapula 肩胛骨关节盂
Humerus 肱骨

参见图411,468


Anterior view
前面观
肩锁关节囊(肩锁韧带融入)
Acromioclavicular joint capsule
incorporating acromioclavicular ligament)
肩峰 Acromion
喙肩韧带 Coraco-acromial ligament
冈上肌腱(切断) Supraspinatus tendon (cut)
喙肱韧带 Coracohumeral ligament
肱骨大结节 Greater tubercle and
肱骨小结节 Lesser tubercle
of humerus
肱骨横韧带 Transverse humeral ligament
结节间腱鞘 Intertubercular tendon sheath
(与滑膜囊相通) (communicates with synovial cavity)
肩胛下肌腱(切断) Subscapularis tendon (cut)
肱二头肌腱(长头) Biceps brachii tendon (long head)
Clavicle 锁骨
Trapezoid ligament
Conoid ligament
Coraco-clavicular ligament
斜方韧带
锥状韧带
喙锁韧带
Superior transverse scapular
ligament and suprascapular foramen
肩胛上横韧带和肩胛上孔
Coracoid process 喙突
Communication of subtendinous
bursa of subscapularis
肩胛下肌腱下囊的交通
Dashed circle indicates
position of subtendinous
bursa of subscapularis
虚线示肩胛下肌腱下囊
Capsular
ligaments
(肩)关节囊韧带
前面观
Anterior
view
Supraspinatus muscle
冈上肌
Subdeltoid bursa fused with
subacromial bursa
三角肌下囊与肩峰下囊相融合
三角肌(翻开)
Deltoid muscle
(reflected)
Subscapularis muscle 肩胛下肌
(肩)关节囊韧带
Capsular ligament
Subdeltoid bursa 三角肌下囊
Supraspinatus tendon 冈上肌腱
Capsular ligament (肩)关节囊韧带
Synovial membrane 滑膜
Acromion 肩峰
Acromioclavicular
joint 肩锁关节
三角肌
Deltoid
muscle
Coraco-acromial ligament 喙肩韧带
肩峰 Acromion
冈上肌腱 Supraspinatus tendon
(与关节囊融合) (fused to capsule)
Coracoid process 喙突
Coracohumeral ligament
喙肱韧带
三角肌下囊 Subdeltoid bursa
Biceps brachii tendon
(long head) 肱二头肌腱(长头)
冈下肌腱 Infraspinatus tendon
(与关节囊融合) (fused to capsule)
Superior glenohumeral
ligament 盂肱上韧带
关节盂 Glenoid cavity
(关节软骨) (articular cartilage)
Subscapularis tendon
(fused to capsule)
肩胛下肌腱(与关节囊融合)
小圆肌腱 Teres minor tendon
(与关节囊融合) (fused to capsule)
Middle glenohumeral
ligament 盂肱中韧带
Synovial membrane (cut edge)
滑膜(切缘)
Inferior glenohumeral
ligament 盂肱下韧带
Opening of subtendinous
bursa of subscapularis
肩胛下肌腱下囊开口
Joint opened: lateral view
肩关节开放:外侧面观
Glenoid
labrum
盂唇
Glenoid
cavity of
scapula 肩胛骨关节盂
Axillary recess 腋下隐窝
Coronal section through joint
肩关节冠状切面

肩部的肌肉

参见图29,171,185



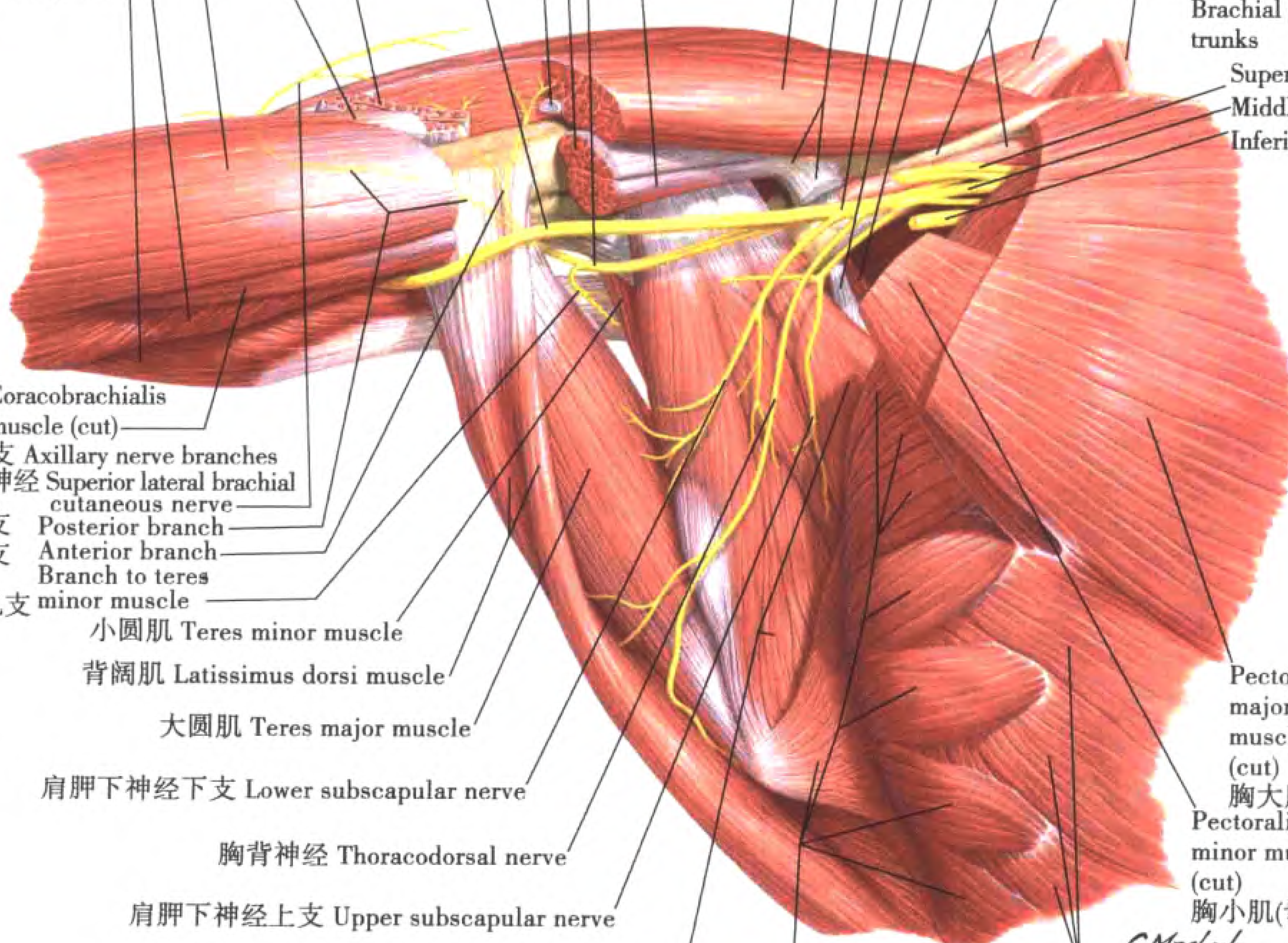
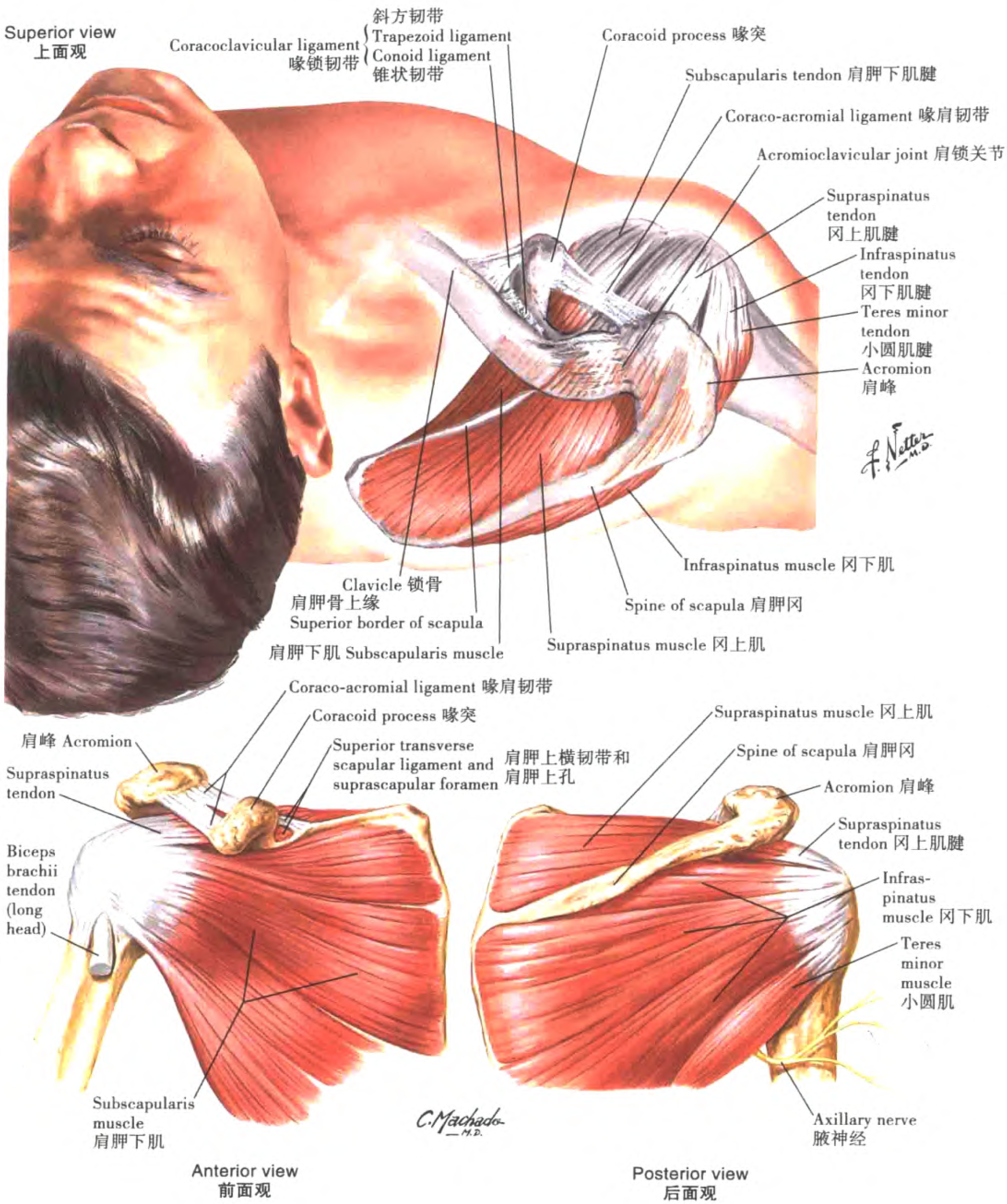
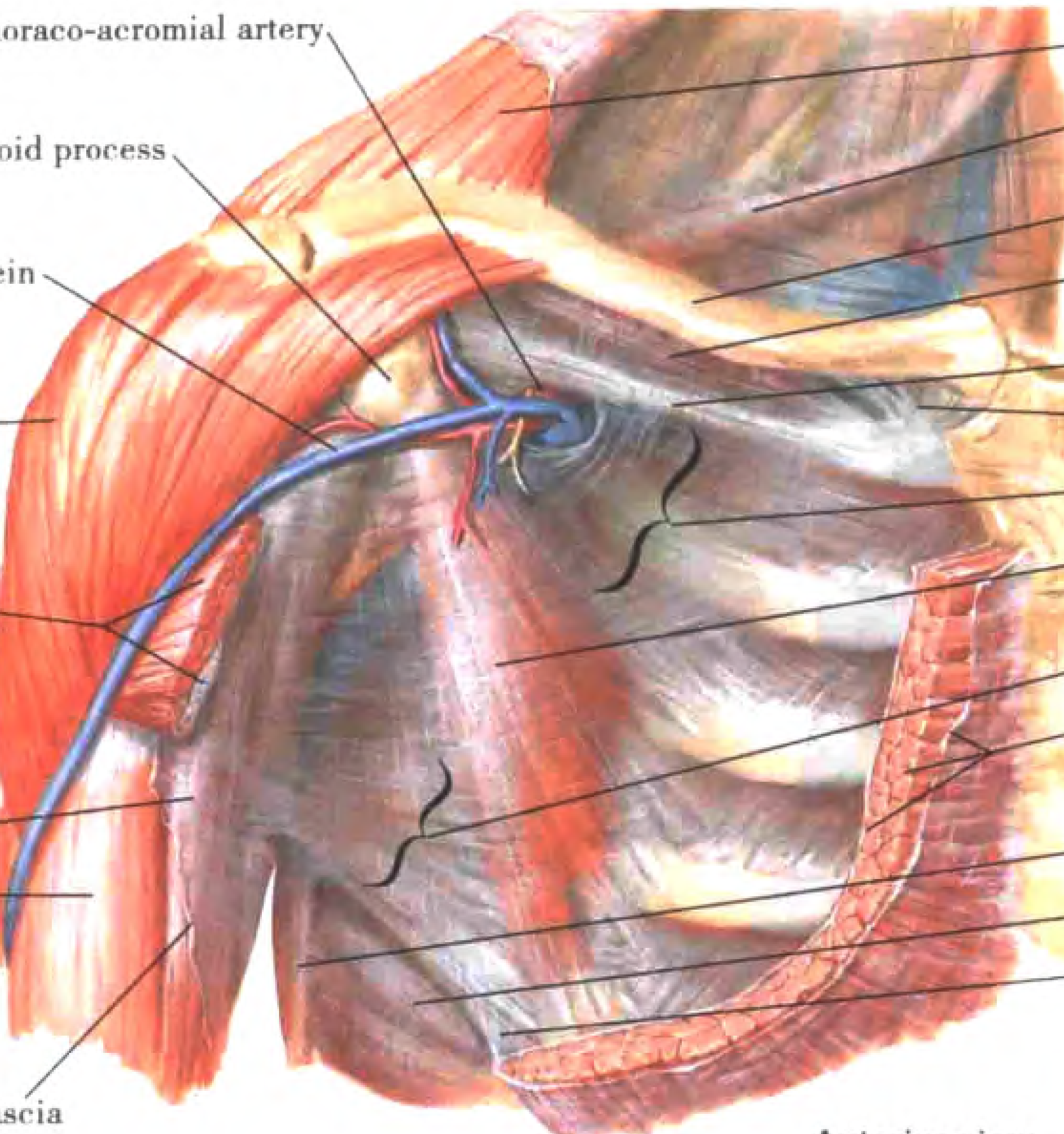

肱二头肌Biceps brachii muscle
Long head tendon 长头腱
Short head muscle and tendon (cut) 短头及其肌腱(切断)
Axillary nerve 腋神经
Coracobrachialis muscle and tendon (cut) 喙肱肌及其肌腱(切断)
Deltoid muscle 三角肌
Coracoid process and pectoralis minor (tendon,cut) 喙突和胸小肌(肌腱,切断)
Posterior cord 后束
Superior transverse scapular ligament 肩胛上横韧带
Supraspinatus muscle 冈上肌
Clavicle and subclavius muscle 锁骨和锁骨下肌
Trapezius muscle 斜方肌
Sternocleidomastoid muscle 胸锁乳突肌
Brachial plexus 臂丛神经干 trunks
Superior (cut)上干(切断)
Middle 中干
Inferior (cut)下干(切断)
桡神经(拉向外侧) Radial nerve (deflected laterally)
大圆肌(切断) Pectoralis major muscle (cut)
肱二头肌(切断) Biceps brachii muscle (cut)
长头 Long head
短头 Short head
肱三头肌 Triceps brachii muscle
内侧头 Medial head
长头 Long head
喙肱肌 Coracobrachialis (切断) muscle (cut)
腋神经的分支 Axillary nerve branches
臂外侧上皮神经 Superior lateral brachial cutaneous nerve
后支 Posterior branch
前支 Anterior branch
小圆肌支 Branch to teres minor muscle
小圆肌 Teres minor muscle
背阔肌 Latissimus dorsi muscle
大圆肌 Teres major muscle
肩胛下神经下支 Lower subscapular nerve
胸背神经 Thoracodorsal nerve
肩胛下神经上支 Upper subscapular nerve
肩胛下肌 Subscapularis muscle
Serratus anterior muscle 前锯肌
Pectoralis major muscle (cut) 胸大肌(切断)
Pectoralis minor muscle (cut) 胸小肌(切断)
External oblique muscle 腹外斜肌
C. Machado M.D.

图 410 肩和腋窝


Superior view
上面观
Coracoclavicular ligament 喙锁韧带
斜方韧带 Trapezoid ligament
Conoid ligament 锥状韧带
Coracoid process 喙突
Subscapularis tendon 肩胛下肌腱
Coraco-acromial ligament 喙肩韧带
Acromioclavicular joint 肩锁关节
Supraspinatus tendon 冈上肌腱
Infraspinatus tendon 冈下肌腱
Teres minor tendon 小圆肌腱
Acromion 肩峰
Infraspinatus muscle 冈下肌
Clavicle 锁骨
肩胛骨上缘 Superior border of scapula
肩胛下肌 Subscapularis muscle
Spine of scapula 肩胛冈
Supraspinatus muscle 冈上肌
Coraco-acromial ligament 喙肩韧带
Coracoid process 喙突
肩峰 Acromion
冈上肌腱 Supraspinatus tendon
Superior transverse scapular ligament and suprascapular foramen 肩胛上横韧带和肩胛上孔
肱二头肌腱(长头) Biceps brachii tendon (long head)
Subscapularis muscle 肩胛下肌
Anterior view
前面观
Supraspinatus muscle 冈上肌
Spine of scapula 肩胛冈
Acromion 肩峰
Supraspinatus tendon 冈上肌腱
Infraspinatus muscle 冈下肌
Teres minor muscle 小圆肌
Axillary nerve 腋神经
Posterior view
后面观

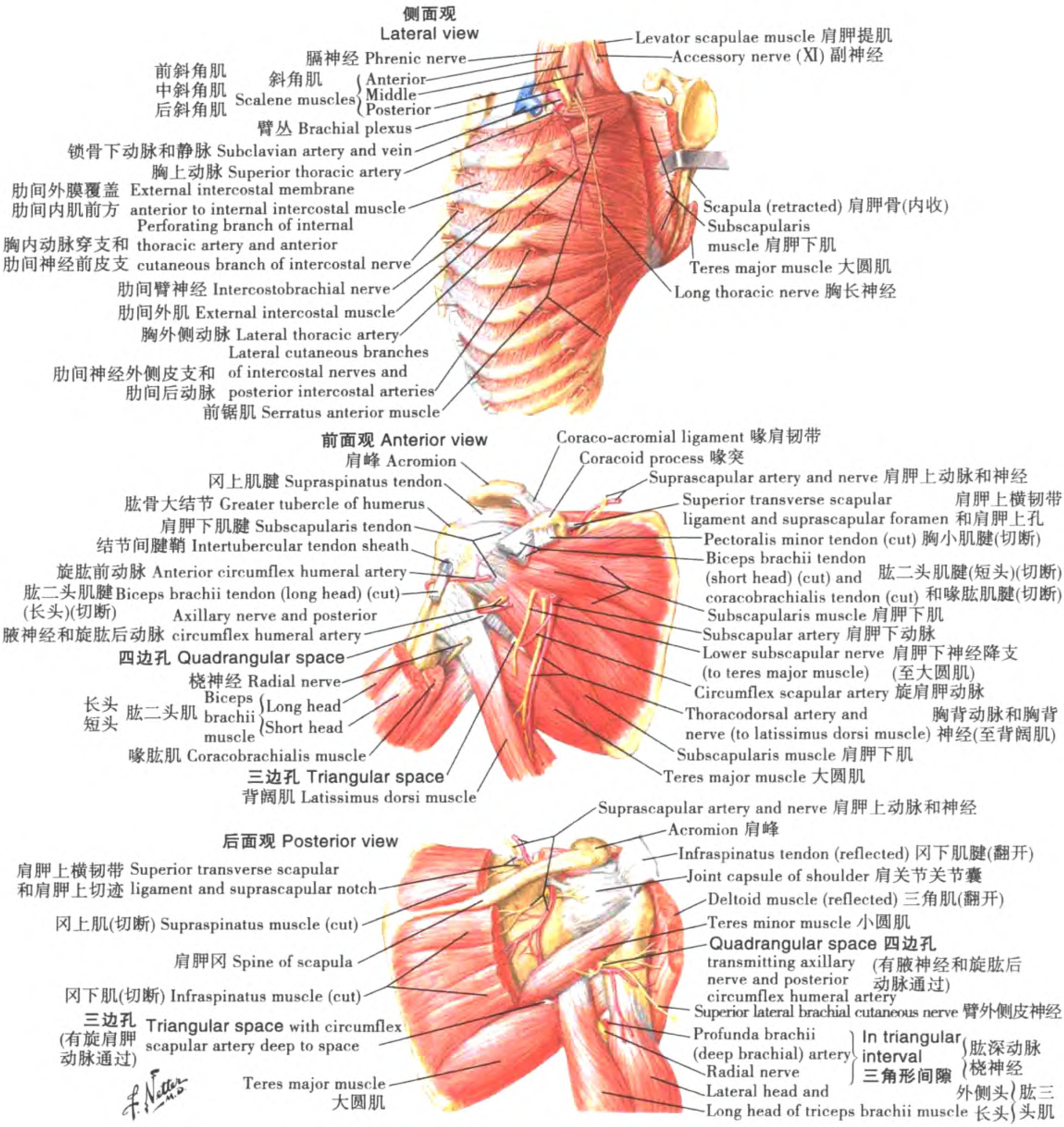


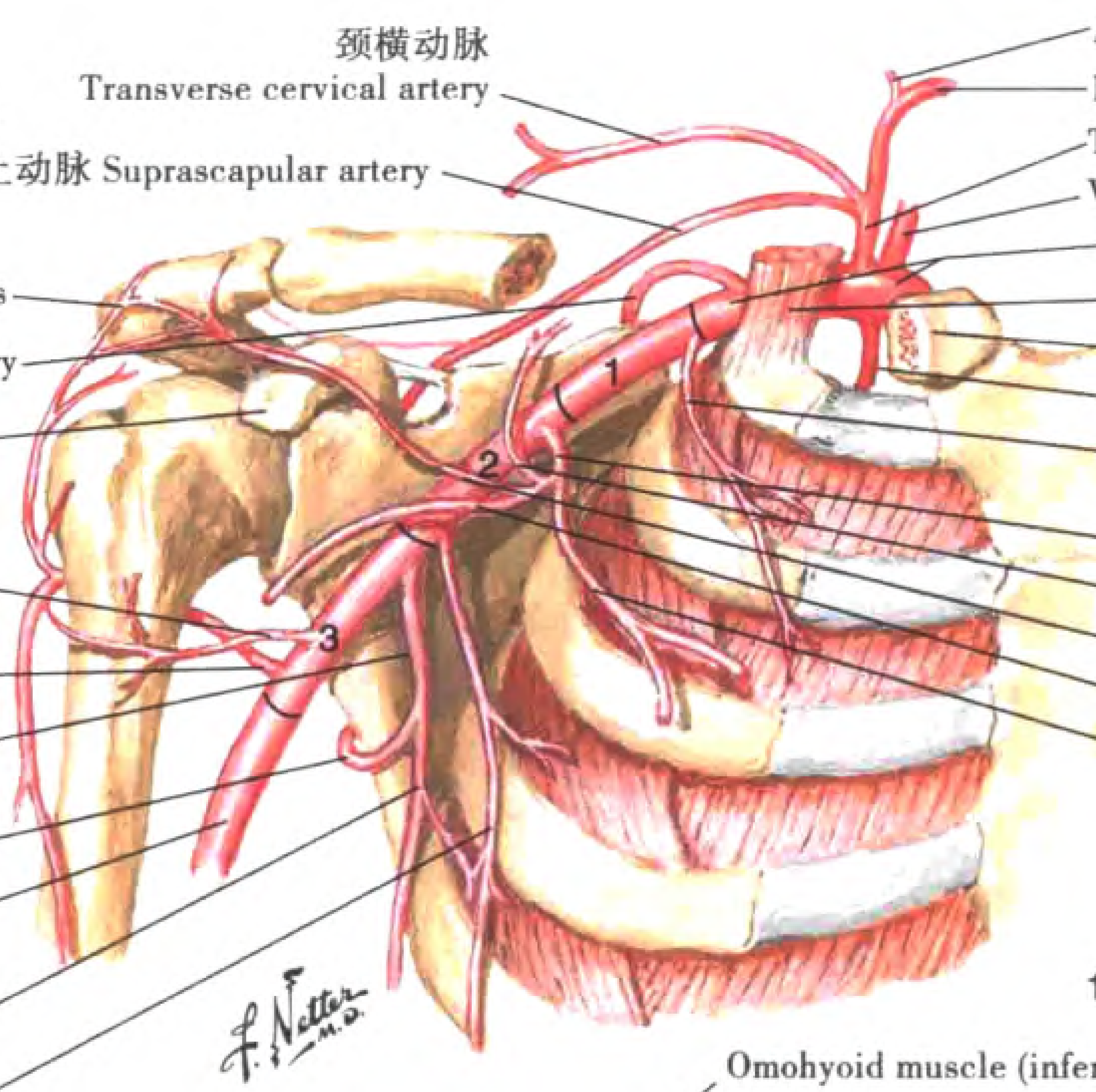
Anterior view
前面观

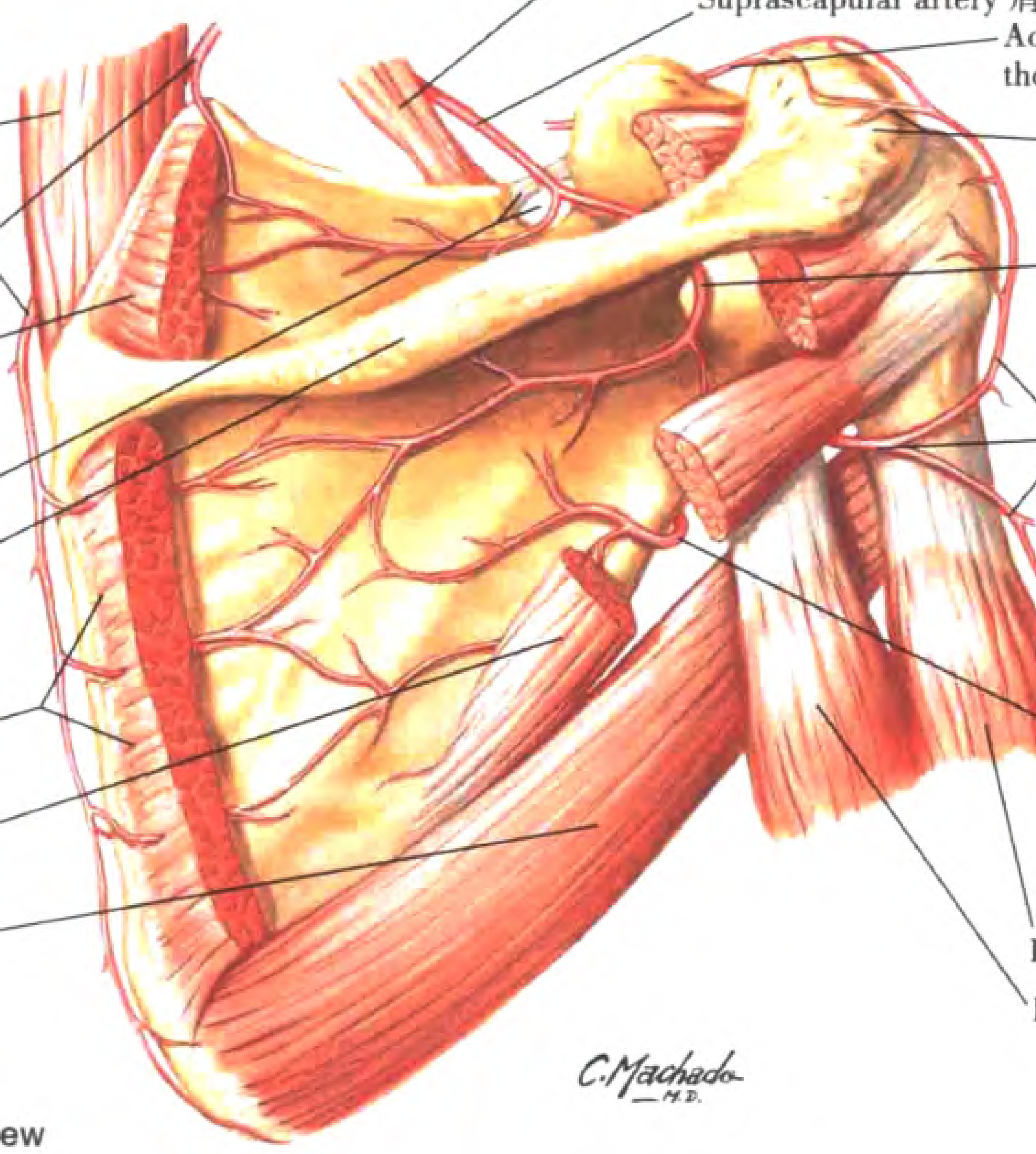


*Components of clavipectoral fascia
*胸锁筋膜的组成部分

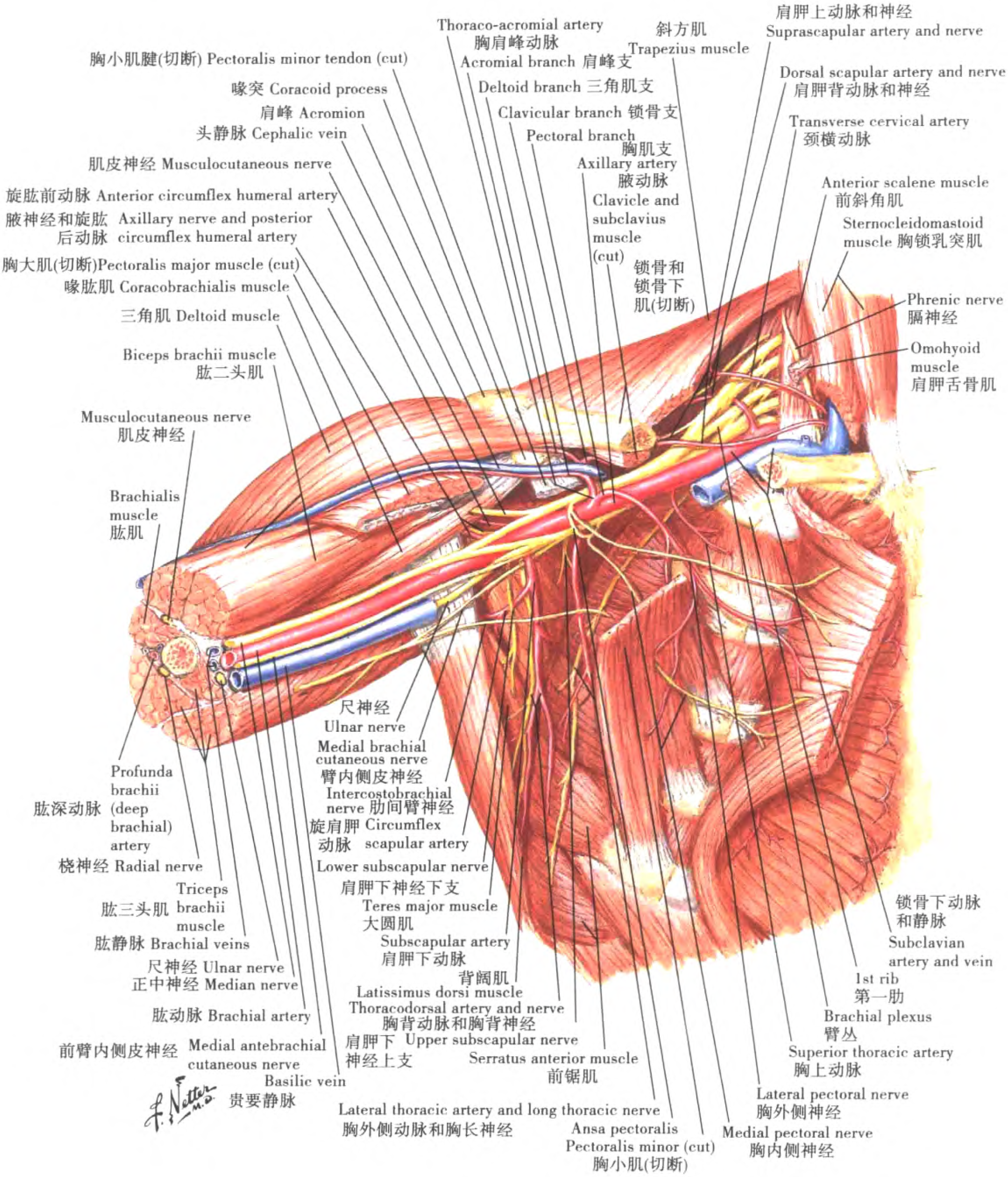
参见图 415,465


侧面观
Lateral view
Levator scapulae muscle 肩胛提肌
Accessory nerve (XI) 副神经
膈神经 Phrenic nerve
前斜角肌
中斜角肌
后斜角肌
斜角肌 Scalene muscles
Anterior
Middle
Posterior
臂丛 Brachial plexus
锁骨下动脉和静脉 Subclavian artery and vein
胸上动脉 Superior thoracic artery
肋间外膜覆盖 External intercostal membrane
肋间内肌前方 anterior to internal intercostal muscle
胸内动脉穿支和 Perforating branch of internal thoracic artery and anterior
肋间神经前皮支 cutaneous branch of intercostal nerve
肋间臂神经 Intercostobrachial nerve
肋间外肌 External intercostal muscle
胸外侧动脉 Lateral thoracic artery
肋间神经外侧皮支和 Lateral cutaneous branches of intercostal nerves and
肋间后动脉 posterior intercostal arteries
前锯肌 Serratus anterior muscle
Scapula (retracted) 肩胛骨(内收)
Subscapularis muscle 肩胛下肌
Teres major muscle 大圆肌
Long thoracic nerve 胸长神经
前面观 Anterior view
Coraco-acromial ligament 喙肩韧带
Coracoid process 喙突
肩峰 Acromion
冈上肌腱 Supraspinatus tendon
Suprascapular artery and nerve 肩胛上动脉和神经
肱骨大结节 Greater tubercle of humerus
Superior transverse scapular ligament and suprascapular foramen 肩胛上横韧带和肩胛上孔
肩胛下肌腱 Subscapularis tendon
结节间腱鞘 Intertubercular tendon sheath
Pectoralis minor tendon (cut) 胸小肌腱(切断)
旋肱前动脉 Anterior circumflex humeral artery
Biceps brachii tendon (short head) (cut) and coracobrachialis tendon (cut) 肱二头肌腱(短头)(切断)和喙肱肌腱(切断)
肱二头肌腱 Biceps brachii tendon (long head) (cut) (长头)(切断)
Subscapularis muscle 肩胛下肌
腋神经和旋肱后动脉 Axillary nerve and posterior circumflex humeral artery
Subscapular artery 肩胛下动脉
四边孔 Quadrangular space
Lower subscapular nerve (to teres major muscle) 肩胛下神经降支(至大圆肌)
桡神经 Radial nerve
Circumflex scapular artery 旋肩胛动脉
长头
短头
肱二头肌 Biceps brachii muscle
Long head
Short head
Thoracodorsal artery and nerve (to latissimus dorsi muscle) 胸背动脉和胸背神经(至背阔肌)
喙肱肌 Coracobrachialis muscle
Subscapularis muscle 肩胛下肌
三边孔 Triangular space
Teres major muscle 大圆肌
背阔肌 Latissimus dorsi muscle
后面观 Posterior view
Suprascapular artery and nerve 肩胛上动脉和神经
Acromion 肩峰
Infraspinatus tendon (reflected) 冈下肌腱(翻开)
肩胛上横韧带和肩胛上切迹 Superior transverse scapular ligament and suprascapular notch
Joint capsule of shoulder 肩关节关节囊
Deltoid muscle (reflected) 三角肌(翻开)
冈上肌(切断) Supraspinatus muscle (cut)
Teres minor muscle 小圆肌
肩胛冈 Spine of scapula
Quadrangular space 四边孔
transmitting axillary nerve and posterior circumflex humeral artery (有腋神经和旋肱后动脉通过)
冈下肌(切断) Infraspinatus muscle (cut)
Superior lateral brachial cutaneous nerve 臂外侧皮神经
三边孔 (有旋肩胛动脉通过) Triangular space with circumflex scapular artery deep to space
Profunda brachii (deep brachial) artery
Radial nerve
In triangular interval 三角形间隙
肱深动脉
桡神经
Teres major muscle 大圆肌
Lateral head and
Long head of triceps brachii muscle
外侧头
长头
肱三头肌
F. Netter M.D.


Anterior view 前面观
颈横动脉 Transverse cervical artery
肩胛上动脉 Suprascapular artery
肩峰及肩峰动脉吻合 Acromion and acromial anastomosis
肩胛背动脉 Dorsal scapular artery
喙突 Coracoid process
旋肱前动脉 Anterior circumflex humeral artery
旋肱后动脉 Posterior circumflex humeral artery
肩胛下动脉 Subscapular artery
旋肩胛动脉 Circumflex scapular artery
肱动脉 Brachial artery
胸背动脉 Thoracodorsal artery
Lateral thoracic artery 胸外侧动脉
Ascending cervical artery 颈升动脉
Inferior thyroid artery 甲状腺下动脉
Thyrocervical trunk 甲状颈干
Vertebral artery 椎动脉
Subclavian artery 锁骨下动脉
Anterior scalene muscle 前斜角肌
Clavicle (cut) 锁骨(切断)
Internal thoracic artery 胸廓内动脉
Superior thoracic artery 胸上动脉
Thoraco-acromial artery 胸肩峰动脉
Clavicular branch 锁骨支
Acromial branch 肩峰支
Deltoid branch 三角肌支
Pectoral branch 胸肌支
1,2,3 indicate 1st, 2nd,and 3rd parts of axillary artery
1、2、3分别表示腋动脉的第1、2、3段

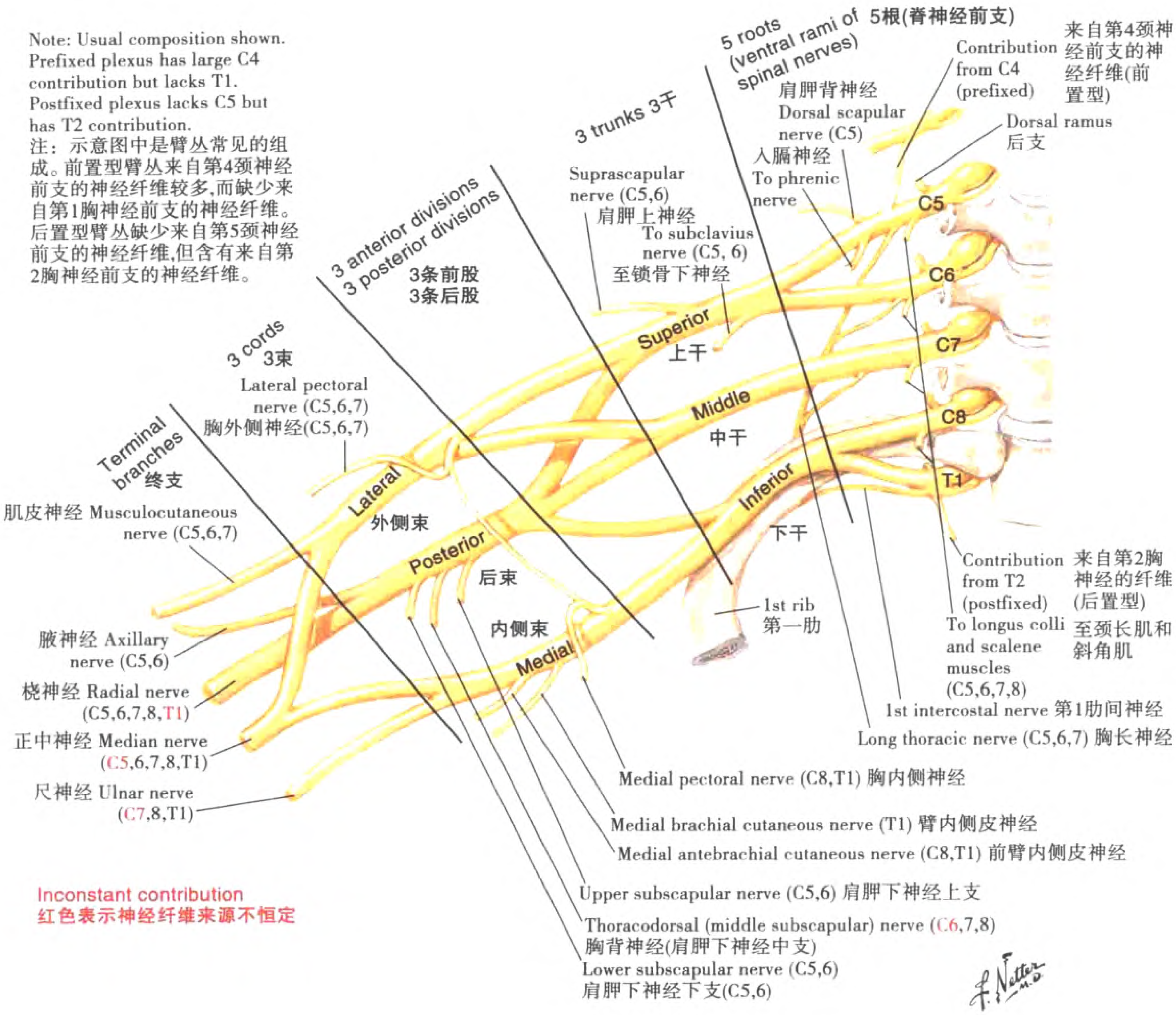

Omohyoid muscle (inferior belly) 肩胛舌骨肌(下腹)
Suprascapular artery 肩胛上动脉
Acromial branch of thoraco-acromial artery 胸肩峰动脉肩峰支
Acromion and acromial plexus 肩峰和肩峰动脉丛
Infraspinous branch of suprascapular artery 肩胛上动脉的冈下支
Posterior circumflex humeral artery (in quadrangular space) and ascending and descending branches 旋肱后动脉(四边孔内)及其升支和降支
Circumflex scapular artery 旋肩胛动脉
外侧头 Lateral head
Long head 长头
Triceps brachii muscle 肱三头肌
Levator scapulae muscle 肩胛提肌
Dorsal scapular artery 肩胛背动脉
Supraspinatus muscle (cut) 冈上肌(切断)
Superior transverse scapular ligament and suprascapular foramen 肩胛上横韧带和肩胛上孔
Spine of scapula 肩胛冈
Infraspinatus muscle (cut) 冈下肌(切断)
Teres minor muscle (cut) 小圆肌(切断)
Teres major muscle 大圆肌
Posterior view 后面观

参见图 410,413



Thoraco-acromial artery
胸肩峰动脉
斜方肌
Trapezius muscle
肩胛上动脉和神经
Suprascapular artery and nerve
胸小肌腱(切断) Pectoralis minor tendon (cut)
Acromial branch 肩峰支
喙突 Coracoid process
Deltoid branch 三角肌支
Dorsal scapular artery and nerve
肩胛背动脉和神经
肩峰 Acromion
Clavicular branch 锁骨支
头静脉 Cephalic vein
Pectoral branch
胸肌支
Transverse cervical artery
颈横动脉
肌皮神经 Musculocutaneous nerve
Axillary artery
腋动脉
旋肱前动脉 Anterior circumflex humeral artery
Anterior scalene muscle
前斜角肌
腋神经和旋肱后动脉 Axillary nerve and posterior circumflex humeral artery
Clavicle and subclavius muscle (cut)
锁骨和锁骨下肌(切断)
Sternocleidomastoid muscle 胸锁乳突肌
胸大肌(切断)Pectoralis major muscle (cut)
喙肱肌 Coracobrachialis muscle
三角肌 Deltoid muscle
Phrenic nerve
膈神经
Biceps brachii muscle
肱二头肌
Omohyoid muscle
肩胛舌骨肌
Musculocutaneous nerve
肌皮神经
Brachialis muscle
肱肌
尺神经
Ulnar nerve
Medial brachial cutaneous nerve
臂内侧皮神经
Intercostobrachial nerve 肋间臂神经
Profunda brachii (deep brachial) artery
肱深动脉
旋肩胛动脉 Circumflex scapular artery
Lower subscapular nerve
肩胛下神经下支
桡神经 Radial nerve
Triceps brachii muscle
肱三头肌
Teres major muscle
大圆肌
锁骨下动脉和静脉
Subclavian artery and vein
肱静脉 Brachial veins
Subscapular artery
肩胛下动脉
尺神经 Ulnar nerve
正中神经 Median nerve
背阔肌
Latissimus dorsi muscle
1st rib
第一肋
Thoracodorsal artery and nerve
胸背动脉和胸背神经
肱动脉 Brachial artery
Brachial plexus
臂丛
前臂内侧皮神经 Medial antebrachial cutaneous nerve
肩胛下神经上支 Upper subscapular nerve
Superior thoracic artery
胸上动脉
Serratus anterior muscle
前锯肌
Basilic vein
贵要静脉
Lateral pectoral nerve
胸外侧神经
Lateral thoracic artery and long thoracic nerve
胸外侧动脉和胸长神经
Ansa pectoralis
Medial pectoral nerve
胸内侧神经
Pectoralis minor (cut)
胸小肌(切断)

Note: Usual composition shown. Prefixed plexus has large C4 contribution but lacks T1. Postfixed plexus lacks C5 but has T2 contribution.
注：示意图中是臂丛常见的组成。前置型臂丛来自第4颈神经前支的神经纤维较多，而缺少来自第1胸神经前支的神经纤维。后置型臂丛缺少来自第5颈神经前支的神经纤维，但含有来自第2胸神经前支的神经纤维。

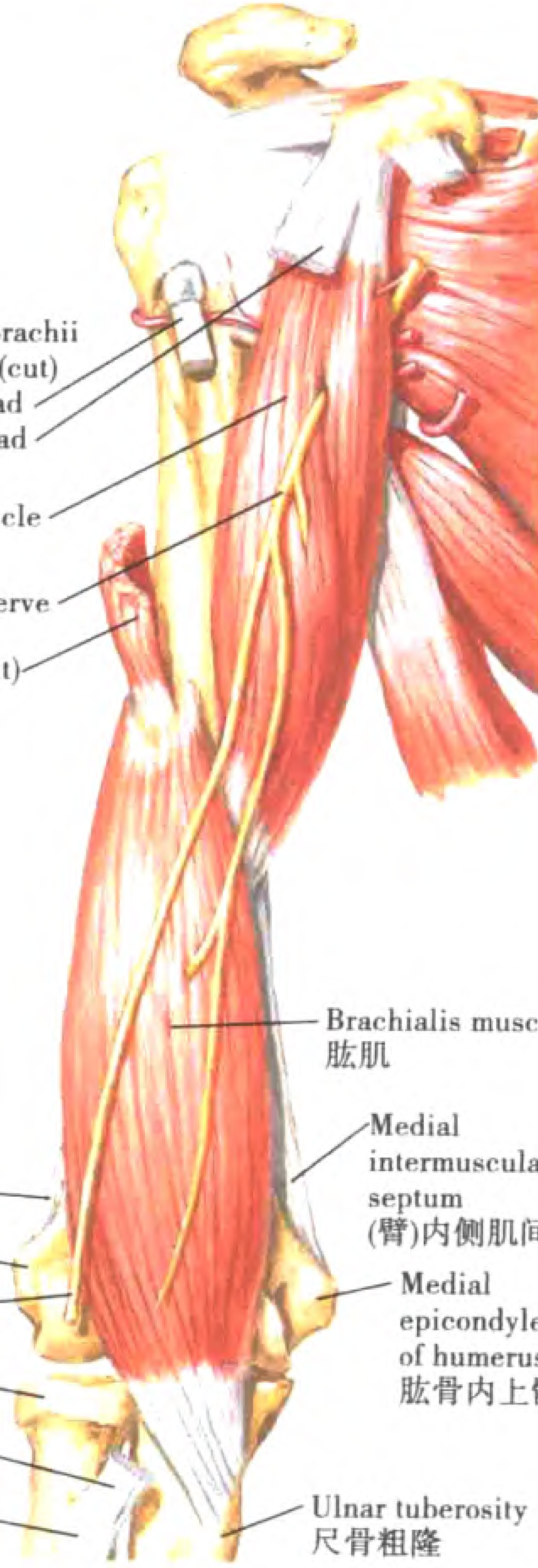


臂的肌肉:前面观

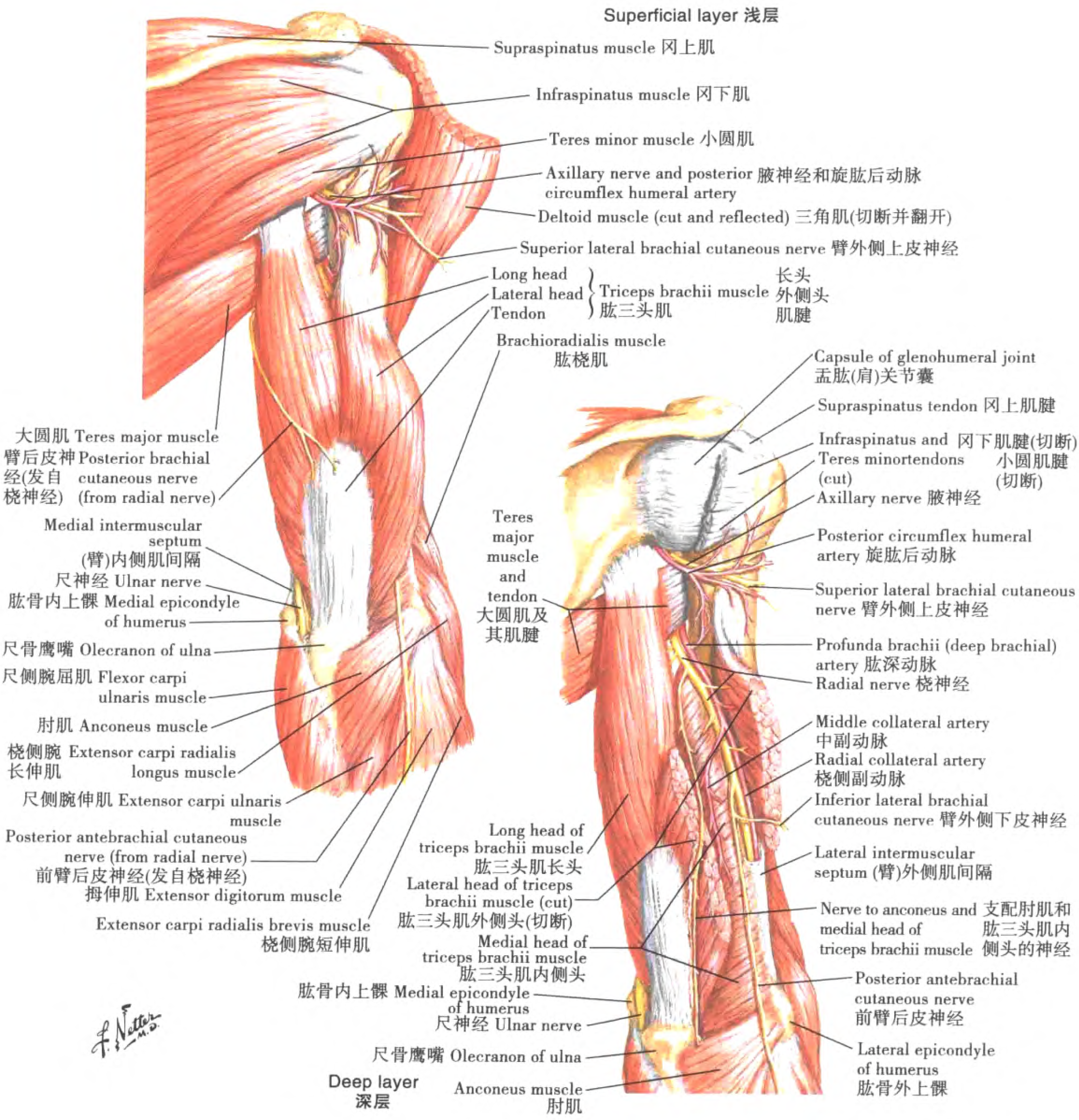
参见图 411,462



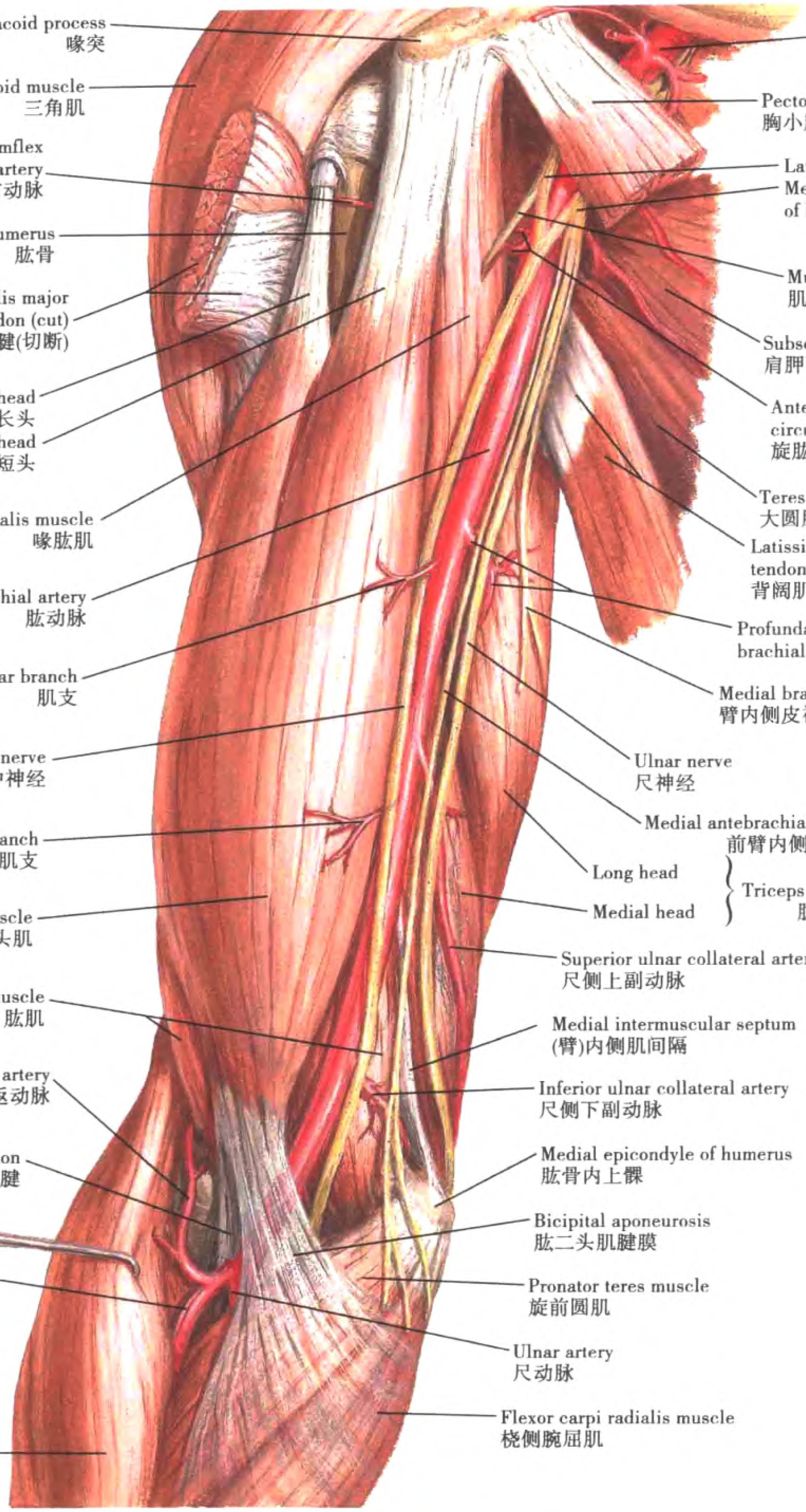
Superficial layer
浅层

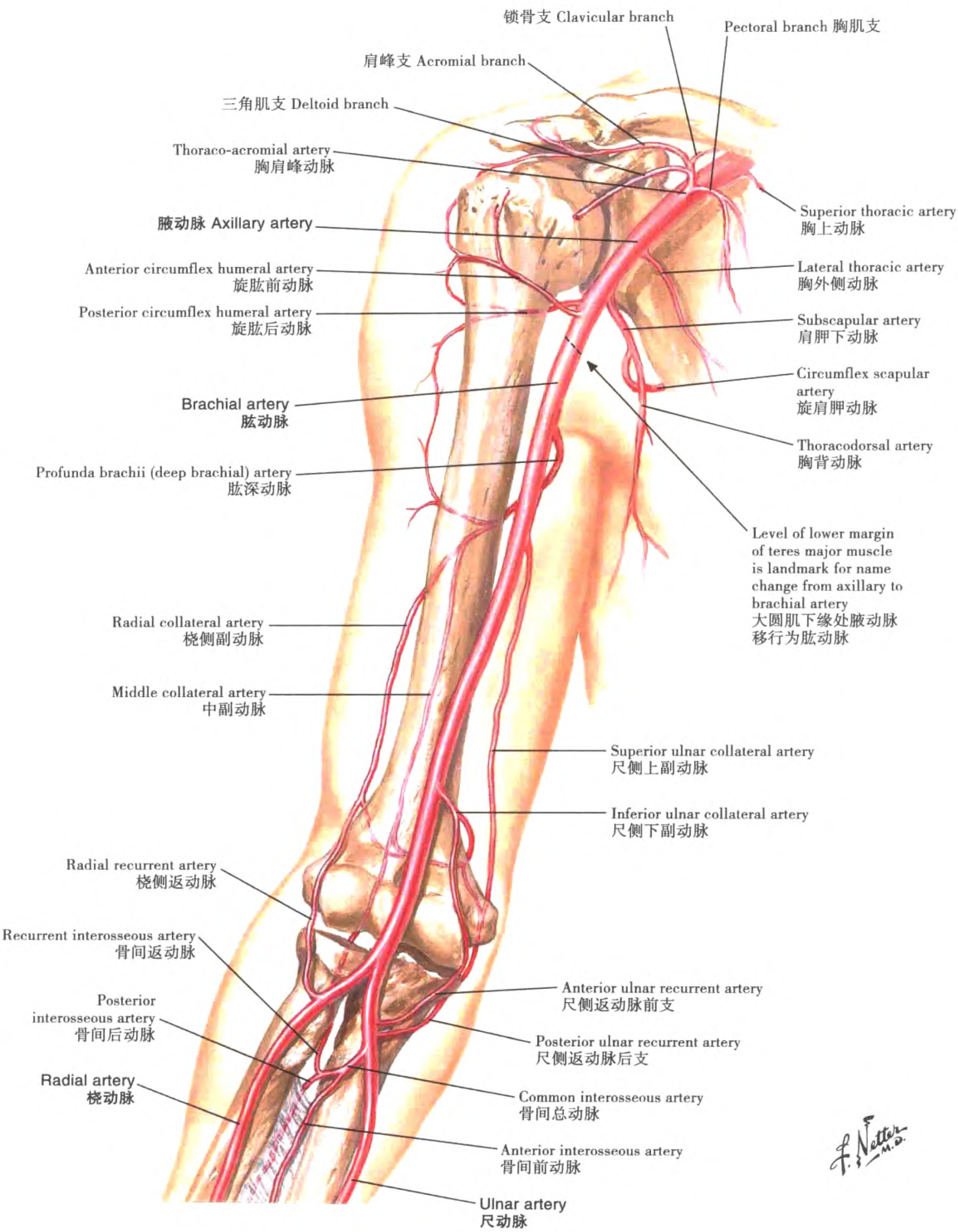


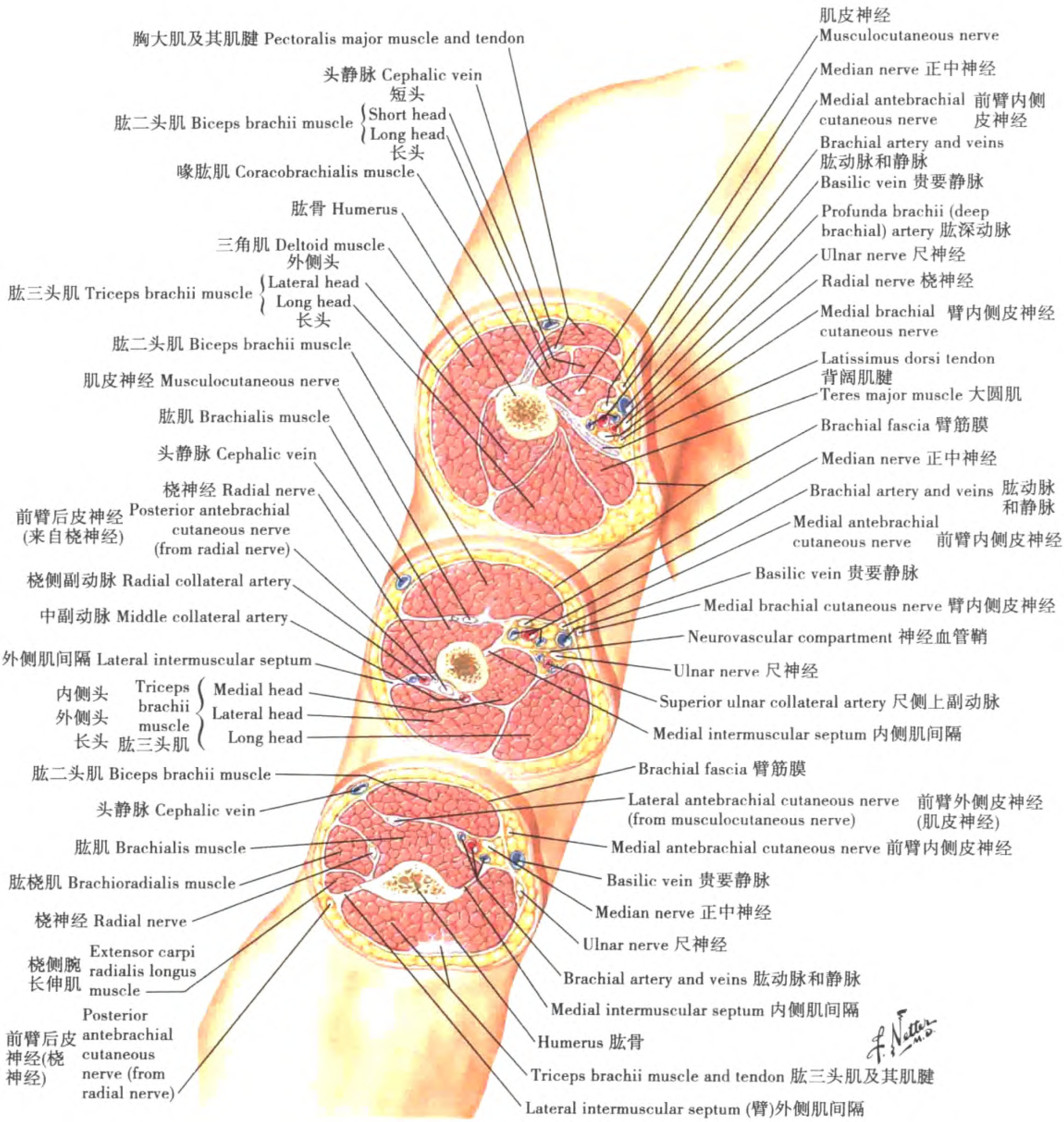
Deep layer
深层


Superficial layer 浅层
Supraspinatus muscle 冈上肌
Infraspinatus muscle 冈下肌
Teres minor muscle 小圆肌
Axillary nerve and posterior circumflex humeral artery 腋神经和旋肱后动脉
Deltoid muscle (cut and reflected) 三角肌(切断并翻开)
Superior lateral brachial cutaneous nerve 臂外侧上皮神经
Long head 长头
Lateral head 外侧头
Tendon 肌腱
Triceps brachii muscle 肱三头肌
Brachioradialis muscle 肱桡肌
大圆肌 Teres major muscle
臂后皮神经(发自桡神经) Posterior brachial cutaneous nerve (from radial nerve)
Medial intermuscular septum (臂)内侧肌间隔
尺神经 Ulnar nerve
肱骨内上髁 Medial epicondyle of humerus
尺骨鹰嘴 Olecranon of ulna
尺侧腕屈肌 Flexor carpi ulnaris muscle
肘肌 Anconeus muscle
桡侧腕长伸肌 Extensor carpi radialis longus muscle
尺侧腕伸肌 Extensor carpi ulnaris muscle
Posterior antebrachial cutaneous nerve (from radial nerve) 前臂后皮神经(发自桡神经)
拇伸肌 Extensor digitorum muscle
Extensor carpi radialis brevis muscle 桡侧腕短伸肌
Capsule of glenohumeral joint 盂肱(肩)关节囊
Supraspinatus tendon 冈上肌腱
Infraspinatus and Teres minortendons (cut) 冈下肌腱(切断) 小圆肌腱(切断)
Axillary nerve 腋神经
Teres major muscle and tendon 大圆肌及其肌腱
Posterior circumflex humeral artery 旋肱后动脉
Superior lateral brachial cutaneous nerve 臂外侧上皮神经
Profunda brachii (deep brachial) artery 肱深动脉
Radial nerve 桡神经
Middle collateral artery 中副动脉
Radial collateral artery 桡侧副动脉
Inferior lateral brachial cutaneous nerve 臂外侧下皮神经
Lateral intermuscular septum (臂)外侧肌间隔
Long head of triceps brachii muscle 肱三头肌长头
Lateral head of triceps brachii muscle (cut) 肱三头肌外侧头(切断)
Medial head of triceps brachii muscle 肱三头肌内侧头
Nerve to anconeus and medial head of triceps brachii muscle 支配肘肌和肱三头肌内侧头的神经
肱骨内上髁 Medial epicondyle of humerus
尺神经 Ulnar nerve
Posterior antebrachial cutaneous nerve 前臂后皮神经
尺骨鹰嘴 Olecranon of ulna
Lateral epicondyle of humerus 肱骨外上髁
Anconeus muscle 肘肌
Deep layer 深层
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参见图 401


Coracoid process
喙突
Deltoid muscle
三角肌
Anterior circumflex humeral artery
旋肱前动脉
Humerus
肱骨
Pectoralis major muscle and tendon (cut)
胸大肌及其肌腱(切断)
Biceps brachii muscle
肱二头肌
Long head
长头
Short head
短头
Coracobrachialis muscle
喙肱肌
Brachial artery
肱动脉
Muscular branch
肌支
Median nerve
正中神经
Muscular branch
肌支
Biceps brachii muscle
肱二头肌
Brachialis muscle
肱肌
Radial recurrent artery
桡侧返动脉
Biceps brachii tendon
肱二头肌腱
Radial artery
桡动脉
Brachioradialis muscle
肱桡肌
Axillary artery
腋动脉
Pectoralis minor muscle (cut)
胸小肌(切断)
Lateral cord 臂丛外侧束
Medial cord 臂丛内侧束
of brachial plexus
Musculocutaneous nerve
肌皮神经
Subscapularis muscle
肩胛下肌
Anterior and posterior circumflex humeral arteries
旋肱前动脉和旋肱后动脉
Teres major muscle
大圆肌
Latissimus dorsi tendon and muscle
背阔肌及肌腱
Profunda brachii (deep brachial) artery 肱深动脉
Medial brachial cutaneous nerve
臂内侧皮神经
Ulnar nerve
尺神经
Medial antebrachial cutaneous nerve
前臂内侧皮神经
Long head
Medial head
Triceps brachii muscle
肱三头肌
长头
内侧头
Superior ulnar collateral artery
尺侧上副动脉
Medial intermuscular septum
(臂)内侧肌间隔
Inferior ulnar collateral artery
尺侧下副动脉
Medial epicondyle of humerus
肱骨内上髁
Bicipital aponeurosis
肱二头肌腱膜
Pronator teres muscle
旋前圆肌
Ulnar artery
尺动脉
Flexor carpi radialis muscle
桡侧腕屈肌
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锁骨支 Clavicular branch
Pectoral branch 胸肌支
肩峰支 Acromial branch
三角肌支 Deltoid branch
Thoraco-acromial artery
胸肩峰动脉
腋动脉 Axillary artery
Superior thoracic artery
胸上动脉
Anterior circumflex humeral artery
旋肱前动脉
Lateral thoracic artery
胸外侧动脉
Posterior circumflex humeral artery
旋肱后动脉
Subscapular artery
肩胛下动脉
Circumflex scapular artery
旋肩胛动脉
Brachial artery
肱动脉
Thoracodorsal artery
胸背动脉
Profunda brachii (deep brachial) artery
肱深动脉
Level of lower margin of teres major muscle is landmark for name change from axillary to brachial artery
大圆肌下缘处腋动脉移行为肱动脉
Radial collateral artery
桡侧副动脉
Middle collateral artery
中副动脉
Superior ulnar collateral artery
尺侧上副动脉
Inferior ulnar collateral artery
尺侧下副动脉
Radial recurrent artery
桡侧返动脉
Recurrent interosseous artery
骨间返动脉
Anterior ulnar recurrent artery
尺侧返动脉前支
Posterior interosseous artery
骨间后动脉
Posterior ulnar recurrent artery
尺侧返动脉后支
Radial artery
桡动脉
Common interosseous artery
骨间总动脉
Anterior interosseous artery
骨间前动脉
Ulnar artery
尺动脉
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胸大肌及其肌腱 Pectoralis major muscle and tendon
头静脉 Cephalic vein
肱二头肌 Biceps brachii muscle 短头 Short head
Long head 长头
喙肱肌 Coracobrachialis muscle
肱骨 Humerus
三角肌 Deltoid muscle
肱三头肌 Triceps brachii muscle 外侧头 Lateral head
Long head 长头
肱二头肌 Biceps brachii muscle
肌皮神经 Musculocutaneous nerve
肱肌 Brachialis muscle
头静脉 Cephalic vein
桡神经 Radial nerve
前臂后皮神经(来自桡神经) Posterior antebrachial cutaneous nerve (from radial nerve)
桡侧副动脉 Radial collateral artery
中副动脉 Middle collateral artery
外侧肌间隔 Lateral intermuscular septum
内侧头 Triceps brachii muscle 肱三头肌 Medial head
外侧头 Lateral head
长头 Long head
肱二头肌 Biceps brachii muscle
头静脉 Cephalic vein
肱肌 Brachialis muscle
肱桡肌 Brachioradialis muscle
桡神经 Radial nerve
桡侧腕长伸肌 Extensor carpi radialis longus muscle
前臂后皮神经(桡神经) Posterior antebrachial cutaneous nerve (from radial nerve)
肌皮神经 Musculocutaneous nerve
Median nerve 正中神经
Medial antebrachial cutaneous nerve 前臂内侧皮神经
Brachial artery and veins 肱动脉和静脉
Basilic vein 贵要静脉
Profunda brachii (deep brachial) artery 肱深动脉
Ulnar nerve 尺神经
Radial nerve 桡神经
Medial brachial cutaneous nerve 臂内侧皮神经
Latissimus dorsi tendon 背阔肌腱
Teres major muscle 大圆肌
Brachial fascia 臂筋膜
Median nerve 正中神经
Brachial artery and veins 肱动脉和静脉
Medial antebrachial cutaneous nerve 前臂内侧皮神经
Basilic vein 贵要静脉
Medial brachial cutaneous nerve 臂内侧皮神经
Neurovascular compartment 神经血管鞘
Ulnar nerve 尺神经
Superior ulnar collateral artery 尺侧上副动脉
Medial intermuscular septum 内侧肌间隔
Brachial fascia 臂筋膜
Lateral antebrachial cutaneous nerve (from musculocutaneous nerve) 前臂外侧皮神经(肌皮神经)
Medial antebrachial cutaneous nerve 前臂内侧皮神经
Basilic vein 贵要静脉
Median nerve 正中神经
Ulnar nerve 尺神经
Brachial artery and veins 肱动脉和静脉
Medial intermuscular septum 内侧肌间隔
Humerus 肱骨
Triceps brachii muscle and tendon 肱三头肌及其肌腱
Lateral intermuscular septum (臂)外侧肌间隔
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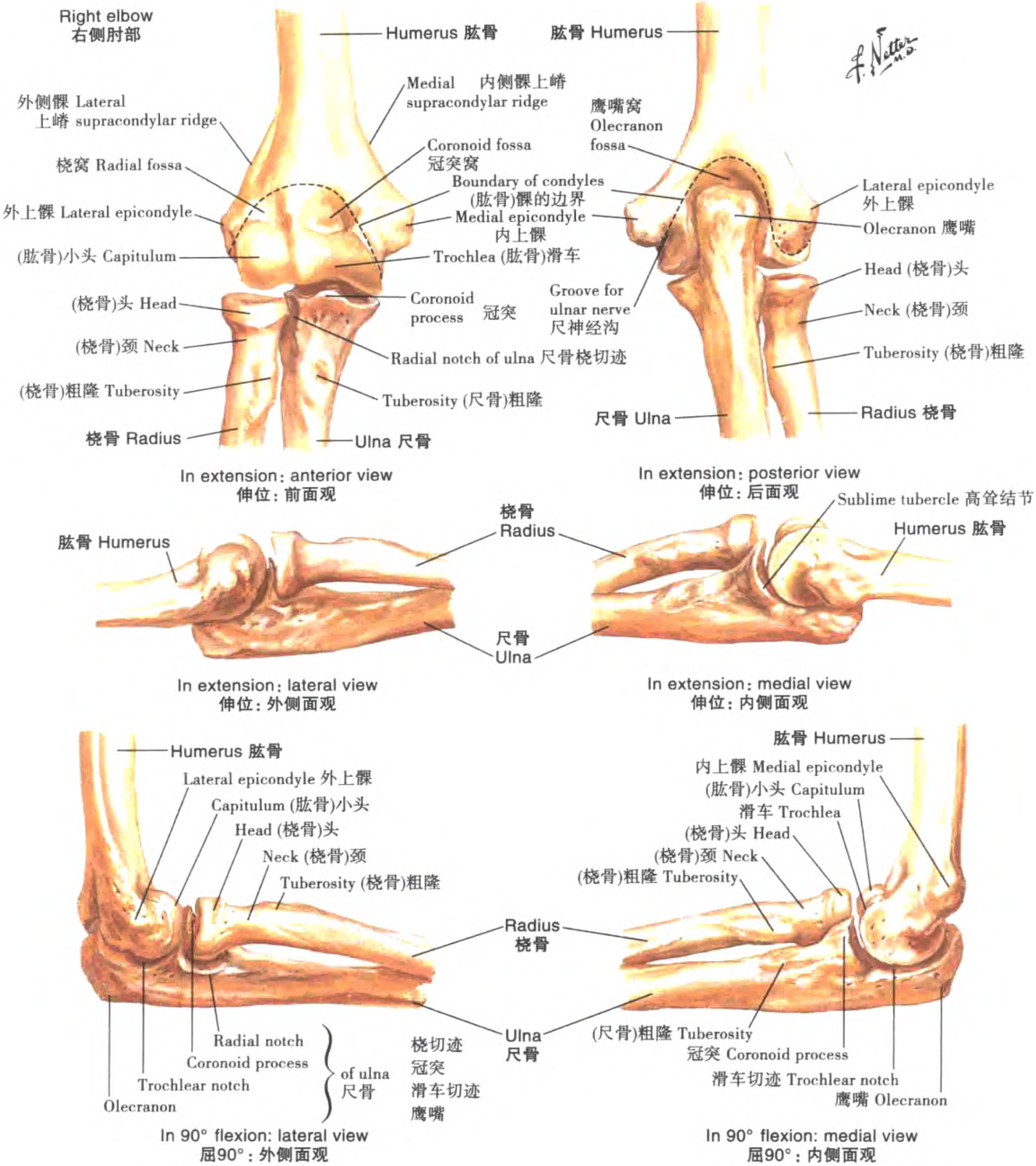

Right elbow
右侧肘部
Humerus 肱骨
Medial 内侧髁上嵴
supracondylar ridge
外侧髁 Lateral
上嵴 supracondylar ridge
桡窝 Radial fossa
Coronoid fossa
冠突窝
Boundary of condyles
(肱骨)髁的边界
外上髁 Lateral epicondyle
Medial epicondyle
内上髁
(肱骨)小头 Capitulum
Trochlea (肱骨)滑车
(桡骨)头 Head
Coronoid
process
冠突
(桡骨)颈 Neck
Radial notch of ulna 尺骨桡切迹
(桡骨)粗隆 Tuberosity
Tuberosity (尺骨)粗隆
桡骨 Radius
Ulna 尺骨
In extension: anterior view
伸位：前面观
肱骨 Humerus
鹰嘴窝
Olecranon
fossa
Lateral epicondyle
外上髁
Olecranon 鹰嘴
Head (桡骨)头
Groove for
ulnar nerve
尺神经沟
Neck (桡骨)颈
Tuberosity (桡骨)粗隆
尺骨 Ulna
Radius 桡骨
In extension: posterior view
伸位：后面观
Sublime tubercle 高耸结节
肱骨 Humerus
桡骨
Radius
Humerus 肱骨
尺骨
Ulna
In extension: lateral view
伸位：外侧面观
In extension: medial view
伸位：内侧面观
Humerus 肱骨
Lateral epicondyle 外上髁
Capitulum (肱骨)小头
Head (桡骨)头
Neck (桡骨)颈
Tuberosity (桡骨)粗隆
肱骨 Humerus
内上髁 Medial epicondyle
(肱骨)小头 Capitulum
滑车 Trochlea
(桡骨)头 Head
(桡骨)颈 Neck
(桡骨)粗隆 Tuberosity
Radius
桡骨
Ulna
尺骨
Radial notch
Coronoid process
Trochlear notch
Olecranon
of ulna
尺骨
桡切迹
冠突
滑车切迹
鹰嘴
(尺骨)粗隆 Tuberosity
冠突 Coronoid process
滑车切迹 Trochlear notch
鹰嘴 Olecranon
In 90° flexion: lateral view
屈90°：外侧面观
In 90° flexion: medial view
屈90°：内侧面观

图 422 肘和前臂

前后位X线成像
Anteroposterior radiograph



侧位X线成像
Lateral radiograph



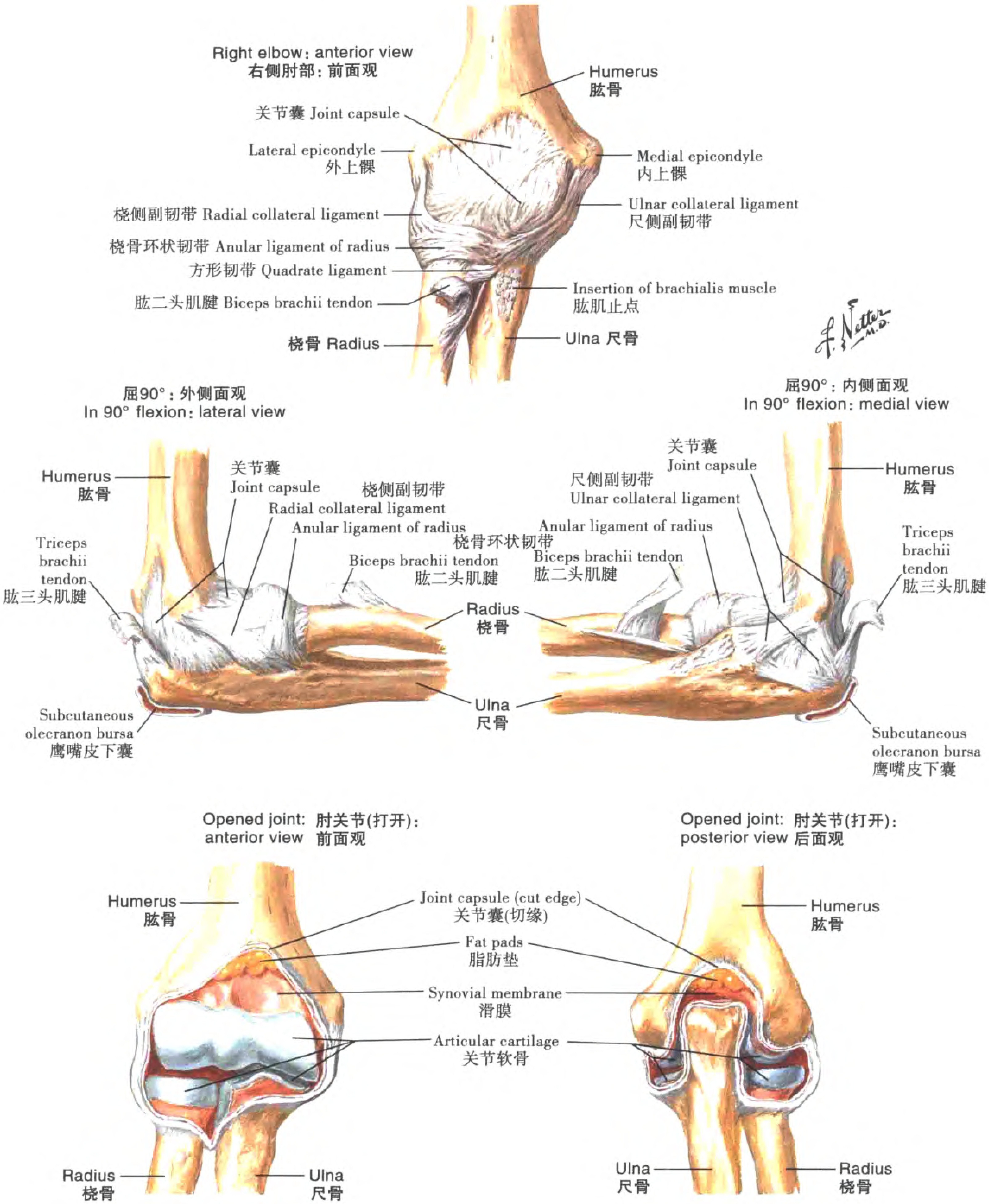
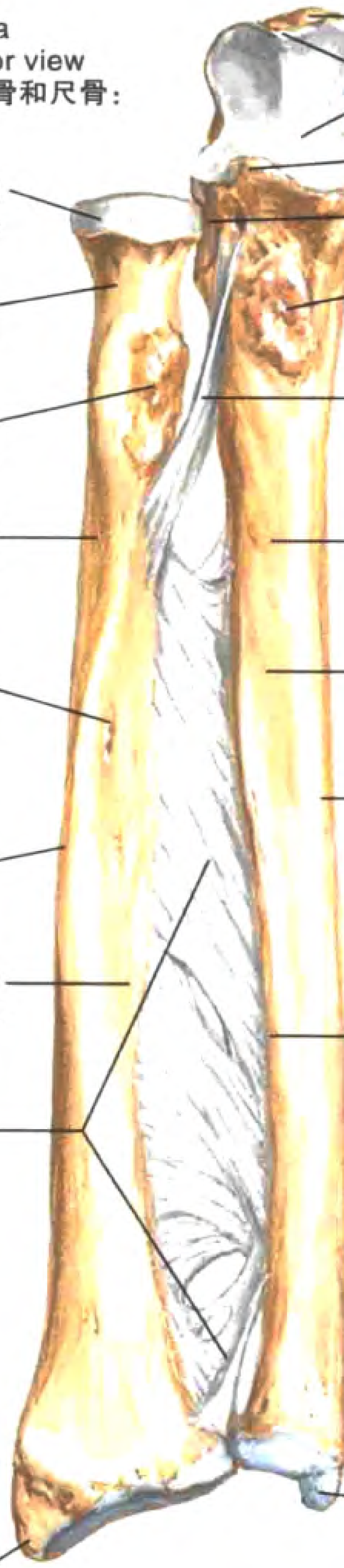
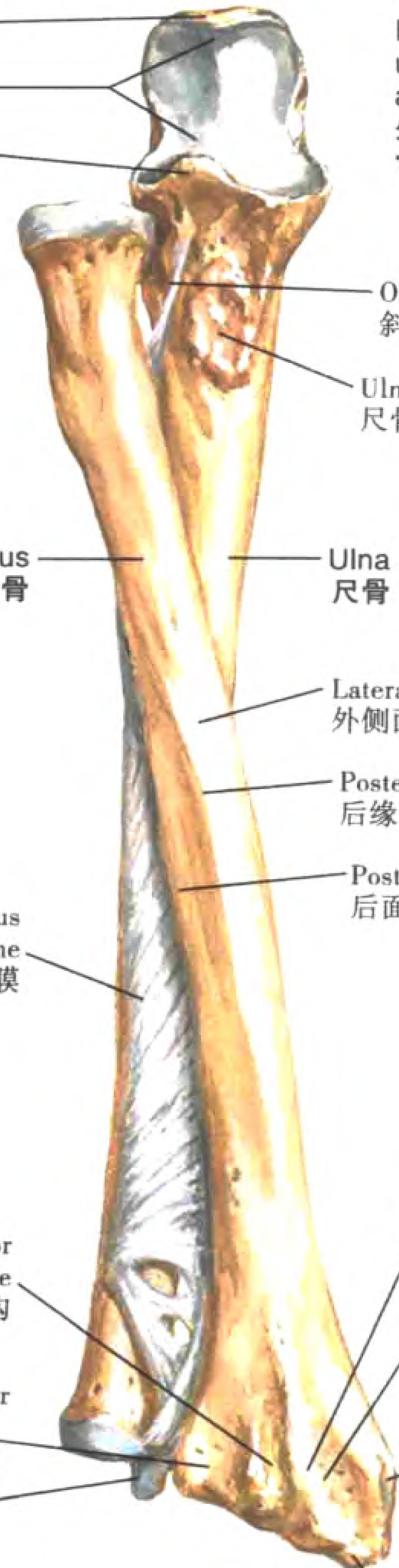

Right elbow: anterior view
右侧肘部：前面观
Humerus
肱骨
关节囊 Joint capsule
Lateral epicondyle
外上髁
Medial epicondyle
内上髁
桡侧副韧带 Radial collateral ligament
Ulnar collateral ligament
尺侧副韧带
桡骨环状韧带 Anular ligament of radius
方形韧带 Quadrate ligament
Insertion of brachialis muscle
肱肌止点
肱二头肌腱 Biceps brachii tendon
桡骨 Radius
Ulna 尺骨
屈90°：外侧面观
In 90° flexion: lateral view
Humerus
肱骨
关节囊
Joint capsule
桡侧副韧带
Radial collateral ligament
Anular ligament of radius
Triceps
brachii
tendon
肱三头肌腱
Biceps brachii tendon
肱二头肌腱
Radius
桡骨
Ulna
尺骨
Subcutaneous
olecranon bursa
鹰嘴皮下囊
屈90°：内侧面观
In 90° flexion: medial view
关节囊
Joint capsule
尺侧副韧带
Ulnar collateral ligament
Humerus
肱骨
Anular ligament of radius
桡骨环状韧带
Biceps brachii tendon
肱二头肌腱
Triceps
brachii
tendon
肱三头肌腱
Subcutaneous
olecranon bursa
鹰嘴皮下囊
Opened joint: 肘关节(打开)：
anterior view 前面观
Opened joint: 肘关节(打开)：
posterior view 后面观
Humerus
肱骨
Joint capsule (cut edge)
关节囊(切缘)
Fat pads
脂肪垫
Synovial membrane
滑膜
Articular cartilage
关节软骨
Radius
桡骨
Ulna
尺骨
Humerus
肱骨
Ulna
尺骨
Radius
桡骨

图 424 肘和前臂

参见图 439,442



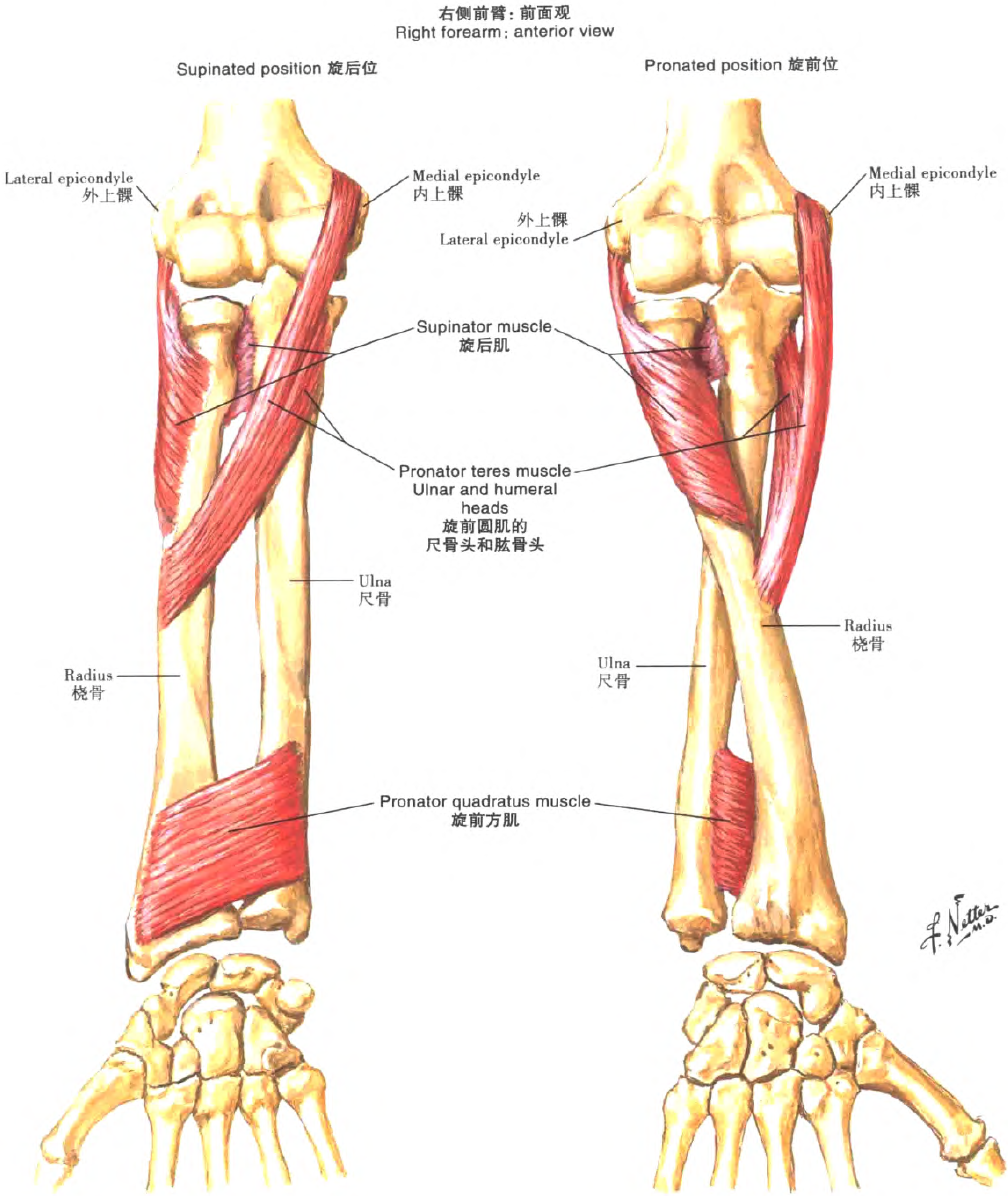


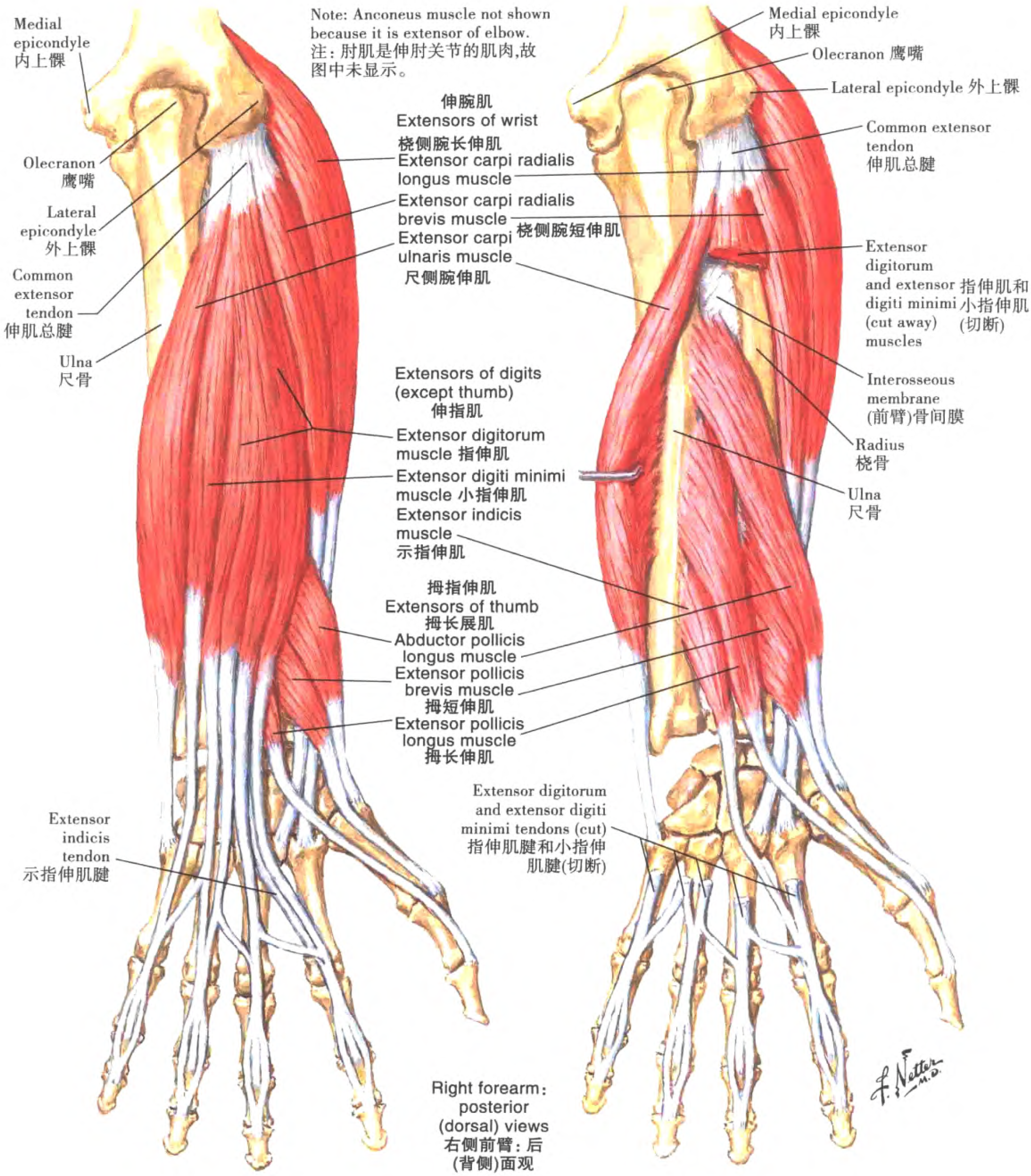


Carpal articular surface
腕关节面

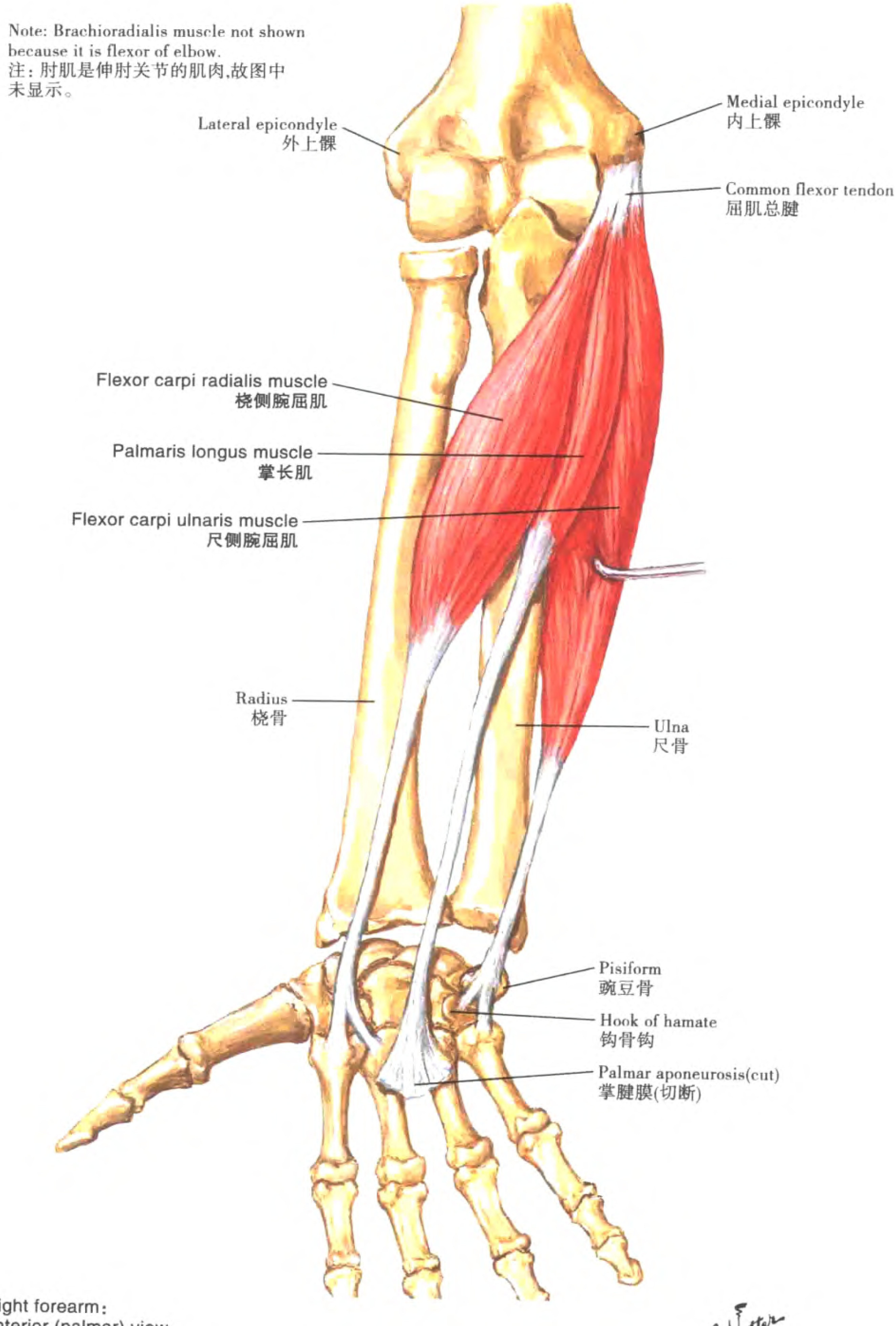


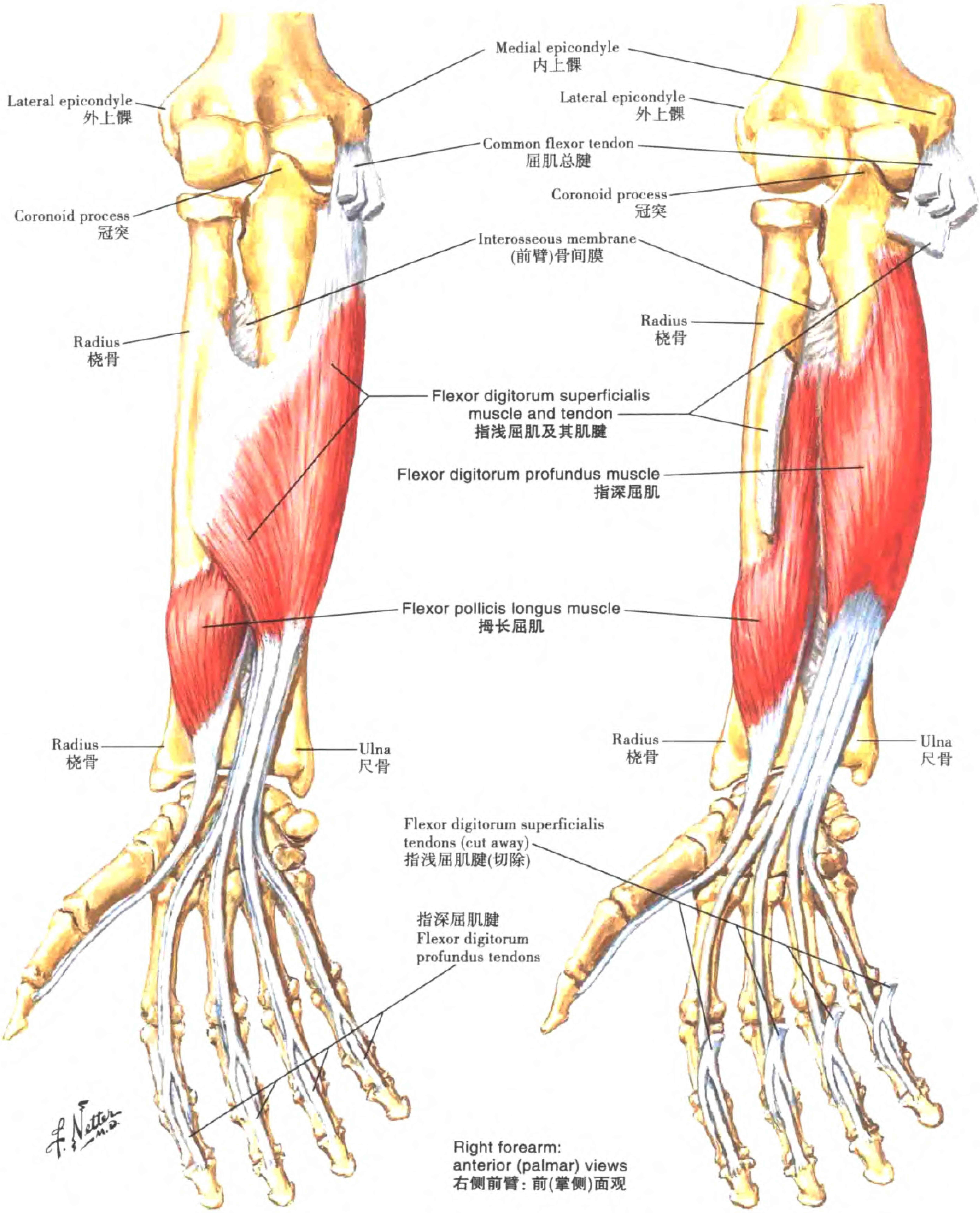
Coronal section of radius demonstrates how thickness of cortical bone of shaft diminishes to thin layer over cancellous bone at distal end
桡骨冠状断面显示：骨干的远端骨皮质厚度变薄，包绕在骨松质表面


右侧前臂：前面观
Right forearm: anterior view
Supinated position 旋后位
Pronated position 旋前位
Lateral epicondyle
外上髁
Medial epicondyle
内上髁
外上髁
Lateral epicondyle
Medial epicondyle
内上髁
Supinator muscle
旋后肌
Pronator teres muscle
Ulnar and humeral
heads
旋前圆肌的
尺骨头和肱骨头
Ulna
尺骨
Radius
桡骨
Radius
桡骨
Ulna
尺骨
Pronator quadratus muscle
旋前方肌
F. Netter M.D.

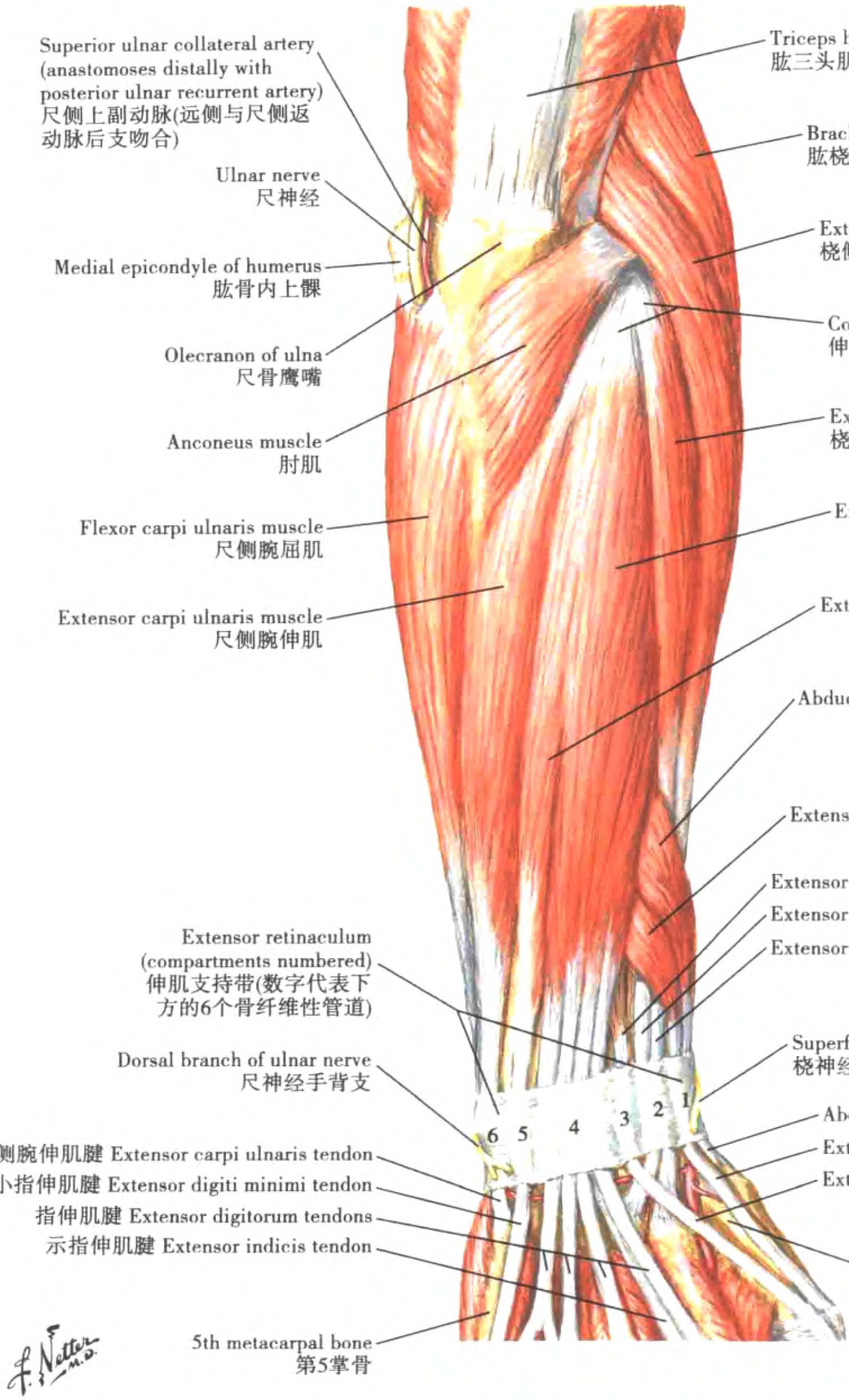


Right forearm: posterior (dorsal) views
右侧前臂：后(背侧)面观

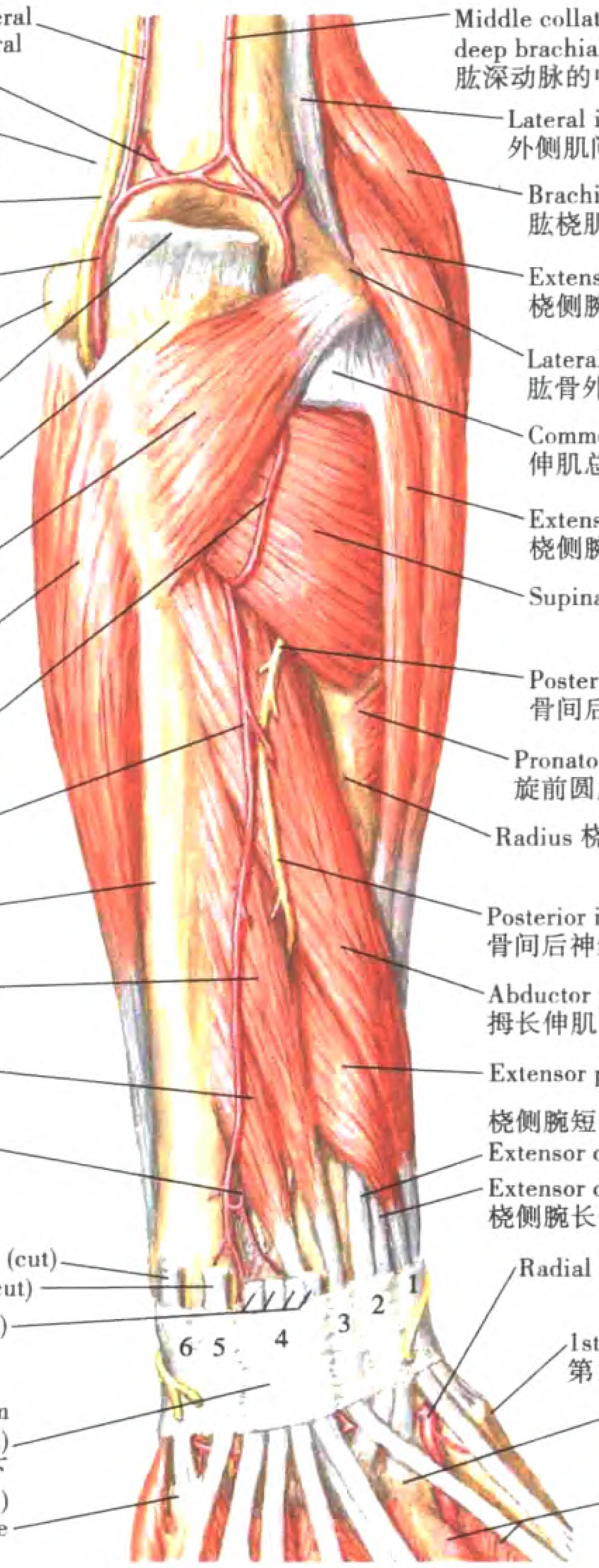

Note: Brachioradialis muscle not shown because it is flexor of elbow.
注：肘肌是伸肘关节的肌肉,故图中未显示。
Lateral epicondyle
外上髁
Medial epicondyle
内上髁
Common flexor tendon
屈肌总腱
Flexor carpi radialis muscle
桡侧腕屈肌
Palmaris longus muscle
掌长肌
Flexor carpi ulnaris muscle
尺侧腕屈肌
Radius
桡骨
Ulna
尺骨
Pisiform
豌豆骨
Hook of hamate
钩骨钩
Palmar aponeurosis(cut)
掌腱膜(切断)
Right forearm:
anterior (palmar) view
右侧前臂：前(掌侧)面观
F. Netter M.D.



Right forearm: anterior (palmar) views
右侧前臂：前(掌侧)面观


Superior ulnar collateral artery (anastomoses distally with posterior ulnar recurrent artery) 尺侧上副动脉(远侧与尺侧返动脉后支吻合)
Ulnar nerve 尺神经
Medial epicondyle of humerus 肱骨内上髁
Olecranon of ulna 尺骨鹰嘴
Anconeus muscle 肘肌
Flexor carpi ulnaris muscle 尺侧腕屈肌
Extensor carpi ulnaris muscle 尺侧腕伸肌
Extensor retinaculum (compartments numbered) 伸肌支持带(数字代表下方的6个骨纤维性管道)
Dorsal branch of ulnar nerve 尺神经手背支
尺侧腕伸肌腱 Extensor carpi ulnaris tendon
小指伸肌腱 Extensor digiti minimi tendon
指伸肌腱 Extensor digitorum tendons
示指伸肌腱 Extensor indicis tendon
5th metacarpal bone 第5掌骨
Triceps brachii tendon 肱三头肌腱
Brachioradialis muscle 肱桡肌
Extensor carpi radialis longus muscle 桡侧腕长伸肌
Common extensor tendon 伸肌总腱
Extensor carpi radialis brevis muscle 桡侧腕短伸肌
Extensor digitorum muscle 指伸肌
Extensor digiti minimi muscle 小指伸肌
Abductor pollicis longus muscle 拇长展肌
Extensor pollicis brevis muscle 拇短伸肌
Extensor pollicis longus tendon 拇长伸肌腱
Extensor carpi radialis brevis tendon 桡侧腕短伸肌腱
Extensor carpi radialis longus tendon 桡侧腕长伸肌腱
Superficial branch of radial nerve 桡神经浅支
Abductor pollicis longus tendon 拇长展肌腱
Extensor pollicis brevis tendon 拇短伸肌腱
Extensor pollicis longus tendon 拇长伸肌腱
Anatomical snuffbox 鼻烟窝
6 5 4 3 2 1
F. Netter M.D.

参见图 402,457


肱动脉的分支 Branches of brachial artery
尺侧上副动脉 Superior ulnar collateral
Inferior ulnar collateral (posterior branch) 尺侧下副动脉(后支)
Medial intermuscular septum 内侧肌间隔
Ulnar nerve 尺神经
Posterior ulnar recurrent artery 尺侧返动脉后支
Medial epicondyle of humerus 肱骨内上髁
Triceps brachii tendon (cut) 肱三头肌腱(切断)
Olecranon of ulna 尺骨鹰嘴
Anconeus muscle 肘肌
Flexor carpi ulnaris muscle 尺侧腕屈肌
Recurrent interosseous artery 骨间返动脉
Posterior interosseous artery 骨间后动脉
Ulna 尺骨
Extensor pollicis longus muscle 拇长伸肌
Extensor indicis muscle 示指伸肌
Anterior interosseous artery (termination) 骨间前动脉(终支)
尺侧腕伸肌腱(切断) Extensor carpi ulnaris tendon (cut)
小指伸肌腱(切断) Extensor digiti minimi tendon (cut)
指伸肌腱(切断) Extensor digitorum tendons (cut)
Extensor retinaculum (compartments numbered) 伸肌支持带(数字代表下方的6个骨性纤维管道)
第5掌骨 5th metacarpal bone
Middle collateral branch of deep brachial artery 肱深动脉的中副支
Lateral intermuscular septum 外侧肌间隔
Brachioradialis muscle 肱桡肌
Extensor carpi radialis longus muscle 桡侧腕长伸肌
Lateral epicondyle of humerus 肱骨外上髁
Common extensor tendon (partially cut) 伸肌总腱(部分切除)
Extensor carpi radialis brevis muscle 桡侧腕短伸肌
Supinator muscle 旋后肌
Posterior interosseous nerve 骨间后神经
Pronator teres muscle (slip of insertion) 旋前圆肌(部分止点)
Radius 桡骨
Posterior interosseous nerve 骨间后神经
Abductor pollicis longus muscle 拇长伸肌
Extensor pollicis brevis muscle 拇短伸肌
桡侧腕短伸肌腱 Extensor carpi radialis brevis tendo
Extensor carpi radialis longus tendon 桡侧腕长伸肌腱
Radial artery 桡动脉
1st metacarpal bone 第1掌骨
2nd metacarpal bone 第2掌骨
1st dorsal interosseous muscle 第1骨间背侧肌
1
2
3
4
5
6
F. Netter M.D.

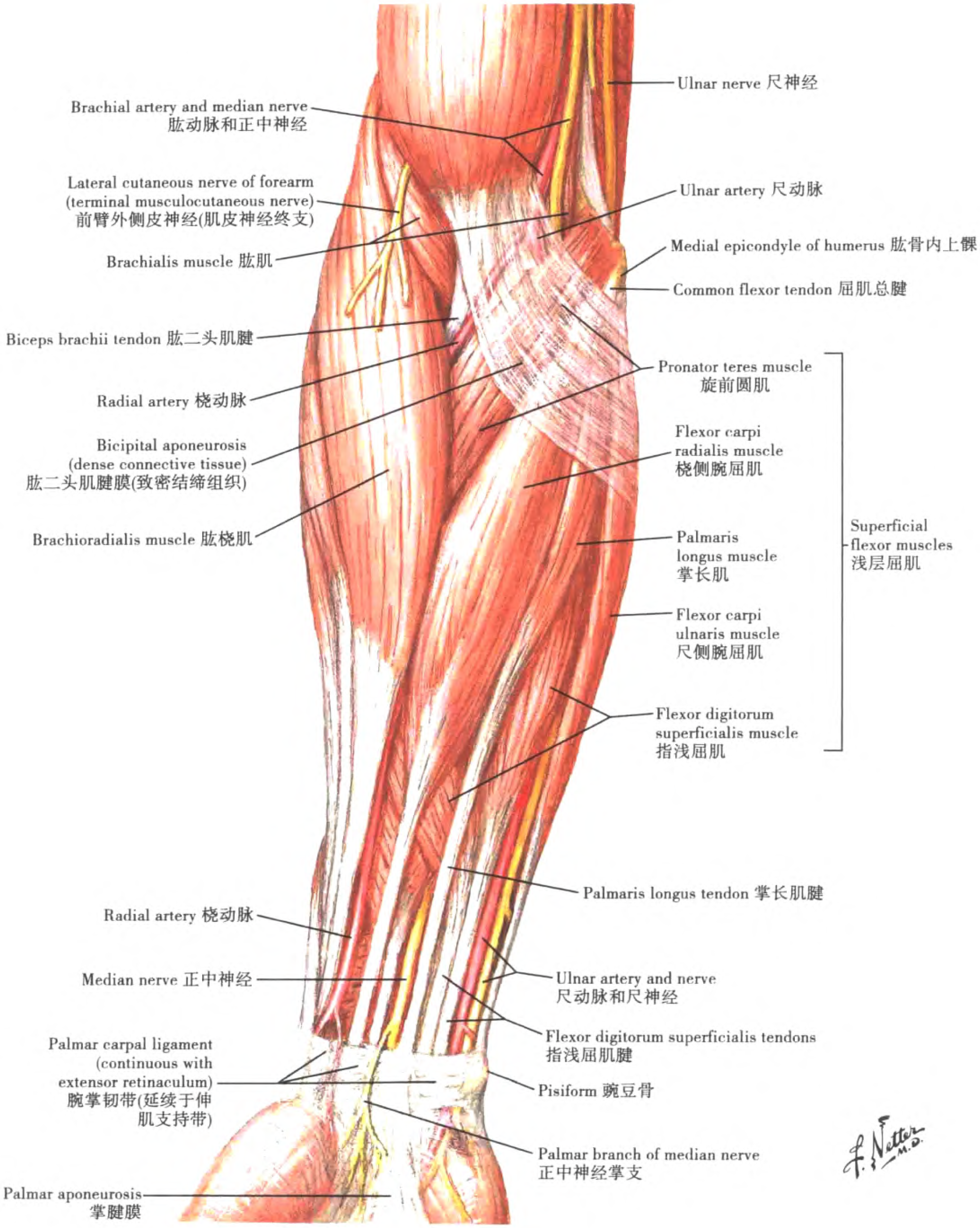
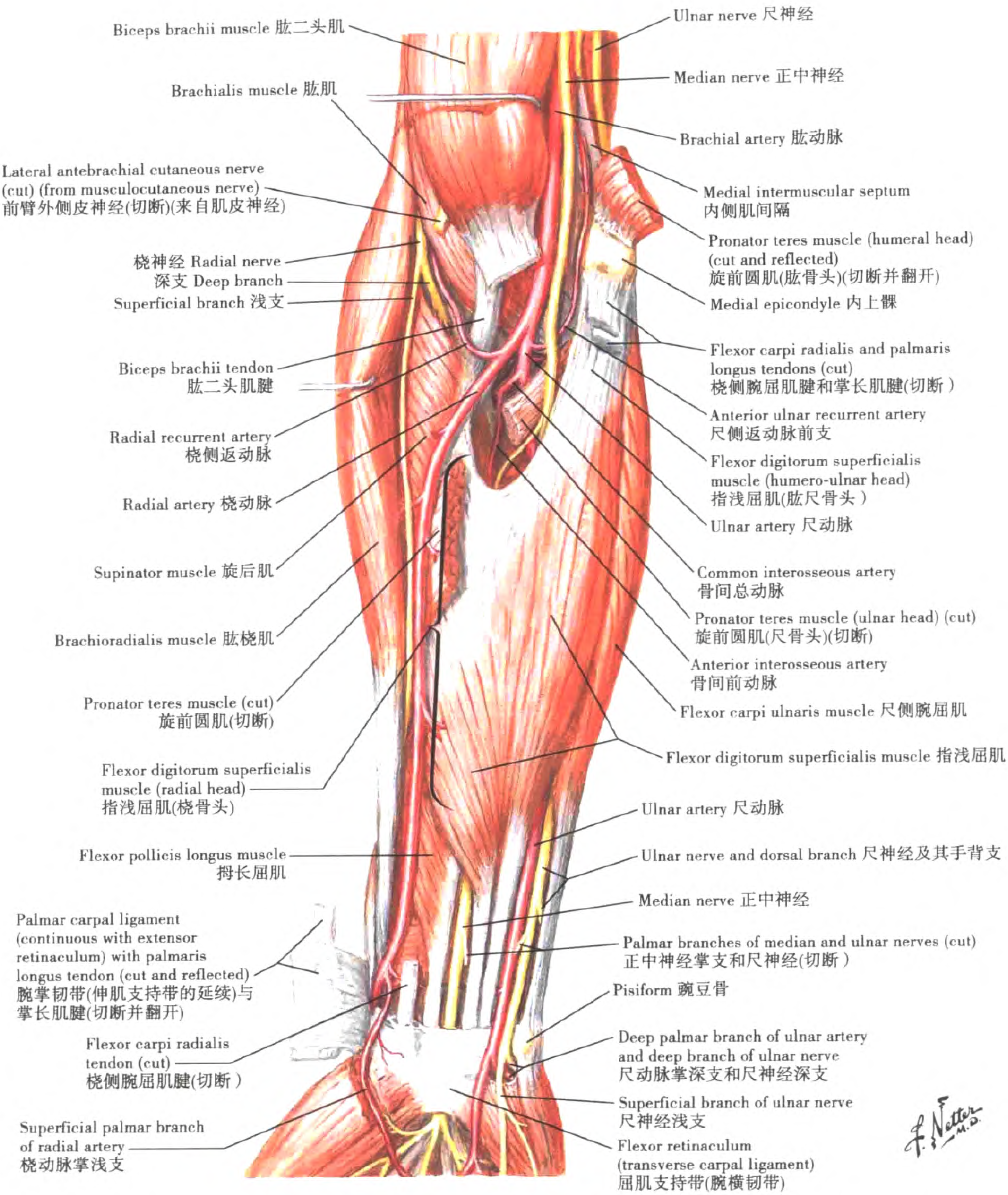
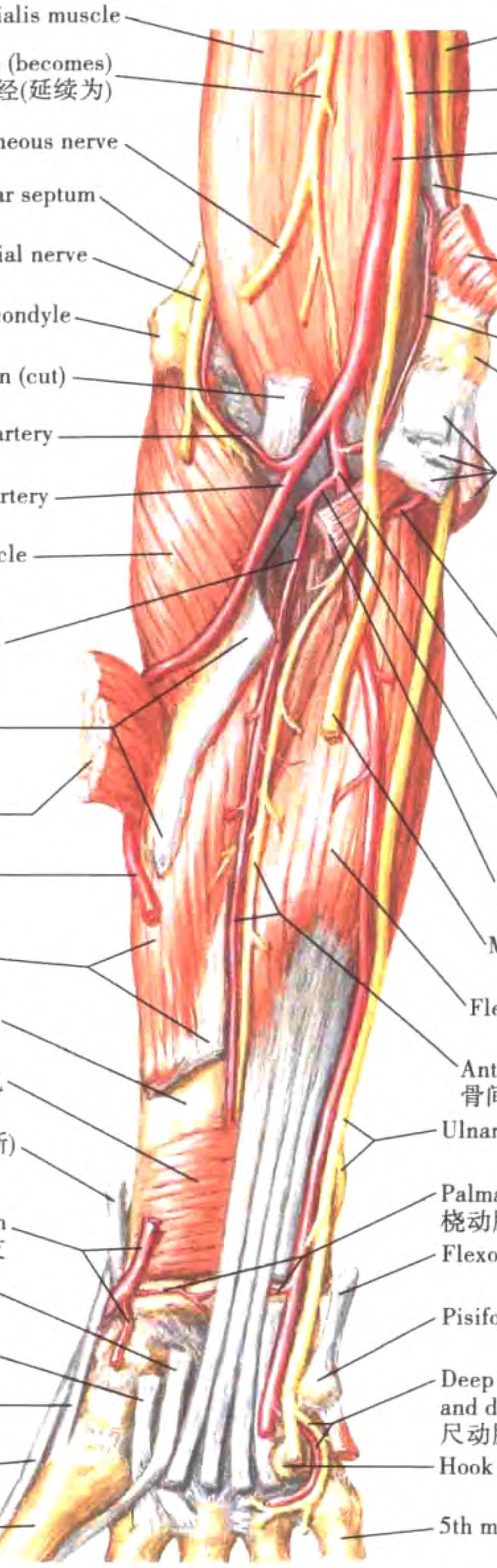
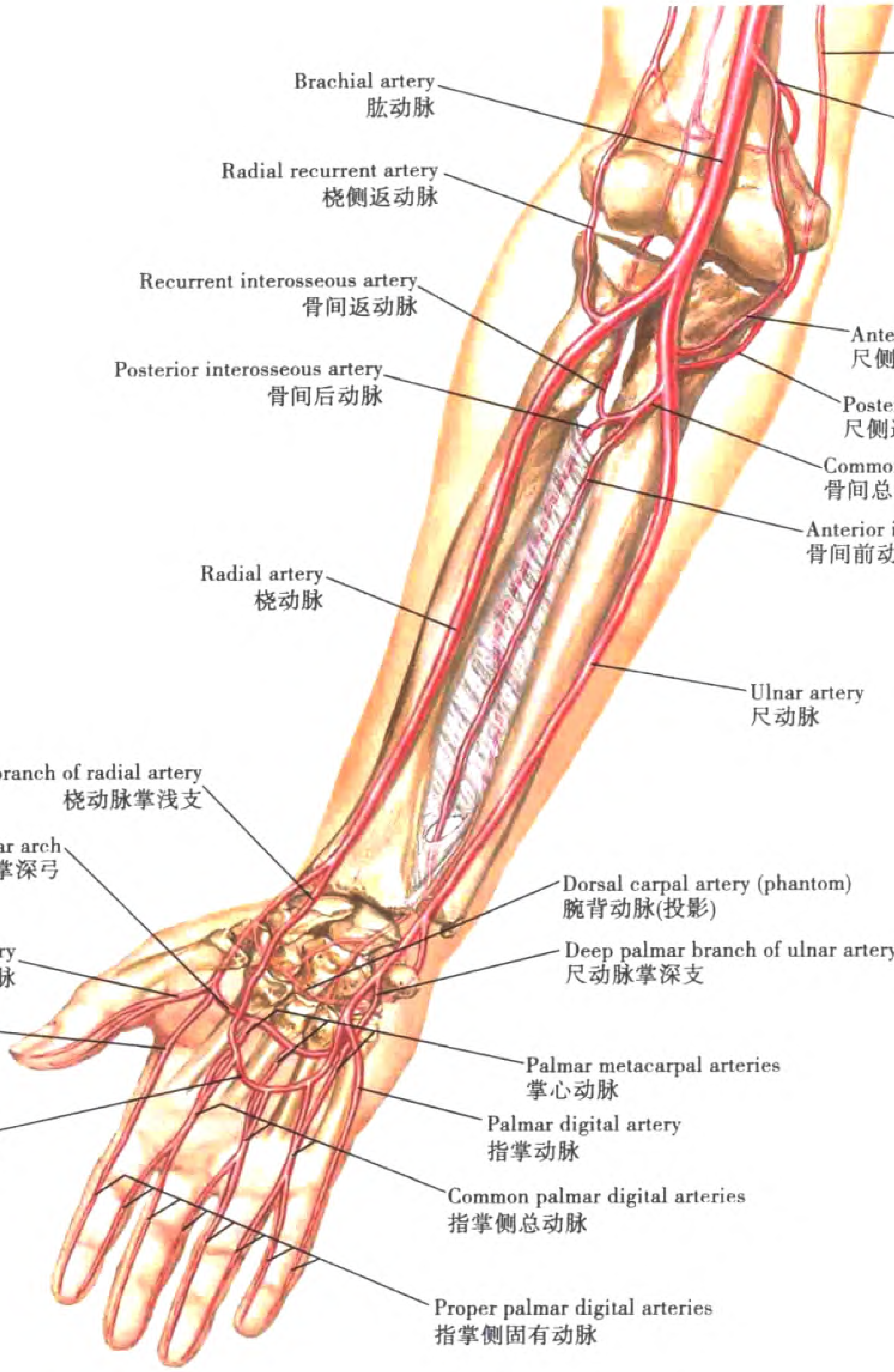

Ulnar nerve 尺神经
Brachial artery and median nerve 肱动脉和正中神经
Lateral cutaneous nerve of forearm (terminal musculocutaneous nerve) 前臂外侧皮神经(肌皮神经终支)
Ulnar artery 尺动脉
Medial epicondyle of humerus 肱骨内上髁
Brachialis muscle 肱肌
Common flexor tendon 屈肌总腱
Biceps brachii tendon 肱二头肌腱
Pronator teres muscle 旋前圆肌
Radial artery 桡动脉
Flexor carpi radialis muscle 桡侧腕屈肌
Bicipital aponeurosis (dense connective tissue) 肱二头肌腱膜(致密结缔组织)
Palmaris longus muscle 掌长肌
Superficial flexor muscles 浅层屈肌
Brachioradialis muscle 肱桡肌
Flexor carpi ulnaris muscle 尺侧腕屈肌
Flexor digitorum superficialis muscle 指浅屈肌
Palmaris longus tendon 掌长肌腱
Radial artery 桡动脉
Median nerve 正中神经
Ulnar artery and nerve 尺动脉和尺神经
Flexor digitorum superficialis tendons 指浅屈肌腱
Palmar carpal ligament (continuous with extensor retinaculum) 腕掌韧带(延续于伸肌支持带)
Pisiform 豌豆骨
Palmar branch of median nerve 正中神经掌支
Palmar aponeurosis 掌腱膜
F. Netter M.D.

图 432 肘和前臂

参见图 420,463,44




肱肌 Brachialis muscle
Musculocutaneous nerve (becomes) 肌皮神经(延续为)
前臂外侧皮神经 Lateral antebrachial cutaneous nerve
外侧肌间隔 Lateral intermuscular septum
桡神经 Radial nerve
外上髁 Lateral epicondyle
肱二头肌腱(切断) Biceps brachii tendon (cut)
桡侧返动脉 Radial recurrent artery
桡动脉 Radial artery
旋后肌 Supinator muscle
Posterior and anterior interosseous arteries 骨间前、后动脉
Flexor digitorum superficialis muscle (radial head) (cut) 指浅屈肌(桡骨头)(切断)
Pronator teres muscle (cut and reflected) 旋前圆肌(切断并翻开)
桡动脉 Radial artery
Flexor pollicis longus muscle and tendon (cut) 拇长屈肌及其肌腱(切断)
桡骨 Radius
Pronator quadratus muscle 旋前方肌
Brachioradialis tendon (cut) 肱桡肌腱(切断)
Radial artery and superficial palmar branch 桡动脉及掌浅支
Flexor pollicis longus tendon (cut) 拇长屈肌腱(切断)
Flexor carpi radialis tendon (cut) 桡侧腕屈肌腱(切断)
Abductor pollicis longus tendon 拇长展肌腱
Extensor pollicis brevis tendon 拇短伸肌腱
1st metacarpal bone 第1掌骨
Ulnar nerve 尺神经
Median nerve 正中神经
Brachial artery 肱动脉
Medial intermuscular septum 内侧肌间隔
Pronator teres muscle (humeral head cut and reflected) 旋前圆肌(肱头切断并翻开)
Anterior ulnar recurrent artery 尺侧返动脉前支
Medial epicondyle of humerus 肱骨内上髁
Flexor carpi radialis, palmaris longus, flexor digitorum superficialis (humero-ulnar head), and flexor carpi ulnaris muscles(cut) 桡侧腕屈肌、掌长肌、指浅屈肌(肱尺头)和尺侧腕屈肌(切断)
Posterior ulnar recurrent artery 尺侧返动脉后支
Ulnar artery 尺动脉
Common interosseous artery 骨间总动脉
Pronator teres muscle (ulnar head) (cut) 旋前圆肌(尺骨头)(切断)
Median nerve (cut) 正中神经(切断)
Flexor digitorum profundus muscle 指深屈肌
Anterior interosseous artery and nerve 骨间前动脉和神经
Ulnar nerve and dorsal branch 尺神经及其手背支
Palmar carpal branches of radial and ulnar arteries 桡动脉和尺动脉的腕掌侧支
Flexor carpi ulnaris tendon (cut) 尺侧腕屈肌腱(切断)
Pisiform 豌豆骨
Deep palmar branch of ulnar artery and deep branch of ulnar nerve 尺动脉掌深支和尺神经深支
Hook of hamate 钩骨钩
5th metacarpal bone 第5掌骨


Brachial artery
肱动脉
Radial recurrent artery
桡侧返动脉
Recurrent interosseous artery
骨间返动脉
Posterior interosseous artery
骨间后动脉
Radial artery
桡动脉
Superficial palmar branch of radial artery
桡动脉掌浅支
Deep palmar arch
掌深弓
Princeps pollicis artery
拇主要动脉
Radialis indicis artery
示指桡侧动脉
Superficial palmar arch
掌浅弓
Superior ulnar collateral artery
尺侧上副动脉
Inferior ulnar collateral artery
尺侧下副动脉
Anterior ulnar recurrent artery
尺侧返动脉前支
Posterior ulnar recurrent artery
尺侧返动脉后支
Common interosseous artery
骨间总动脉
Anterior interosseous artery
骨间前动脉
Ulnar artery
尺动脉
Dorsal carpal artery (phantom)
腕背动脉(投影)
Deep palmar branch of ulnar artery
尺动脉掌深支
Palmar metacarpal arteries
掌心动脉
Palmar digital artery
指掌动脉
Common palmar digital arteries
指掌侧总动脉
Proper palmar digital arteries
指掌侧固有动脉

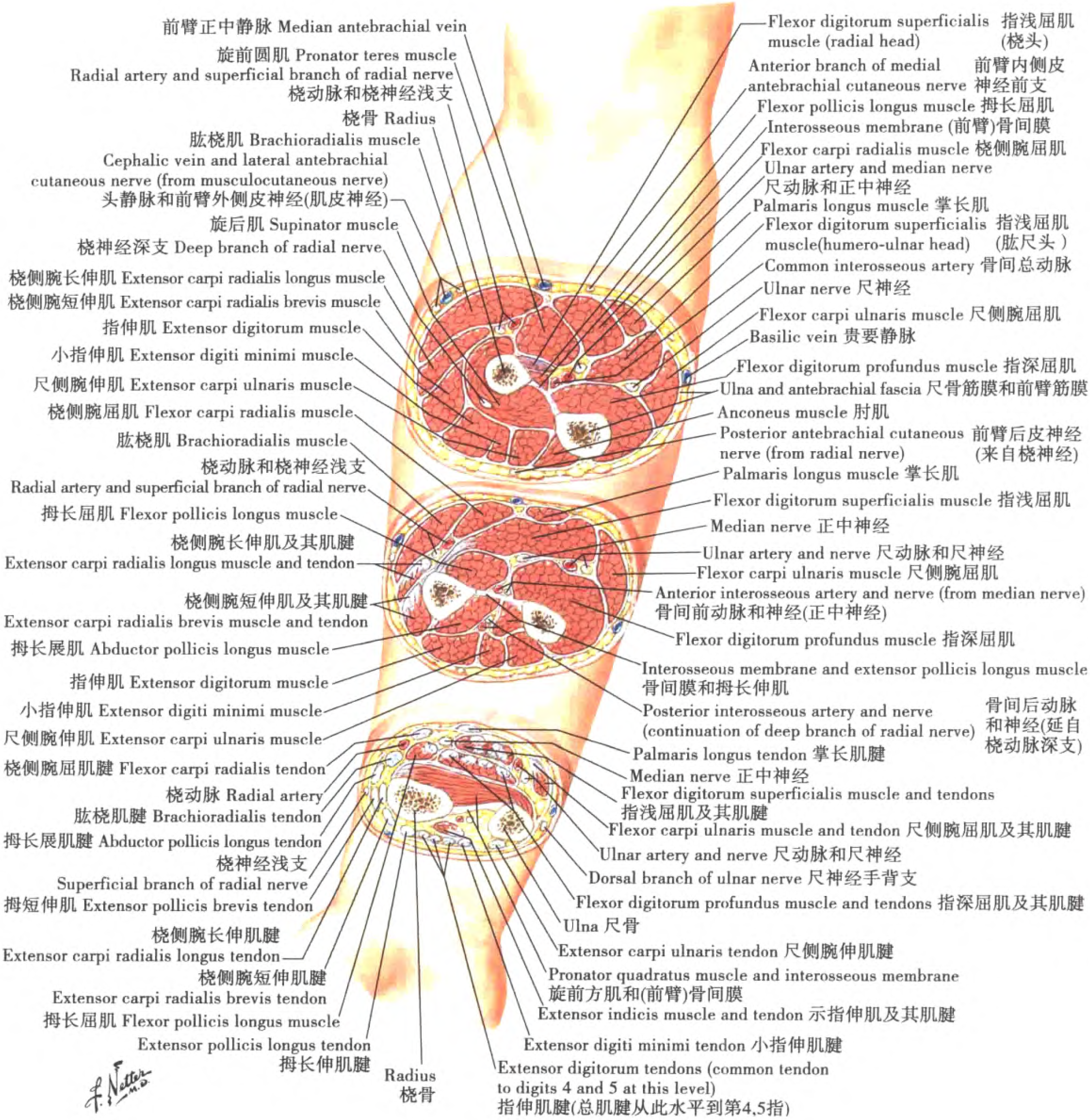
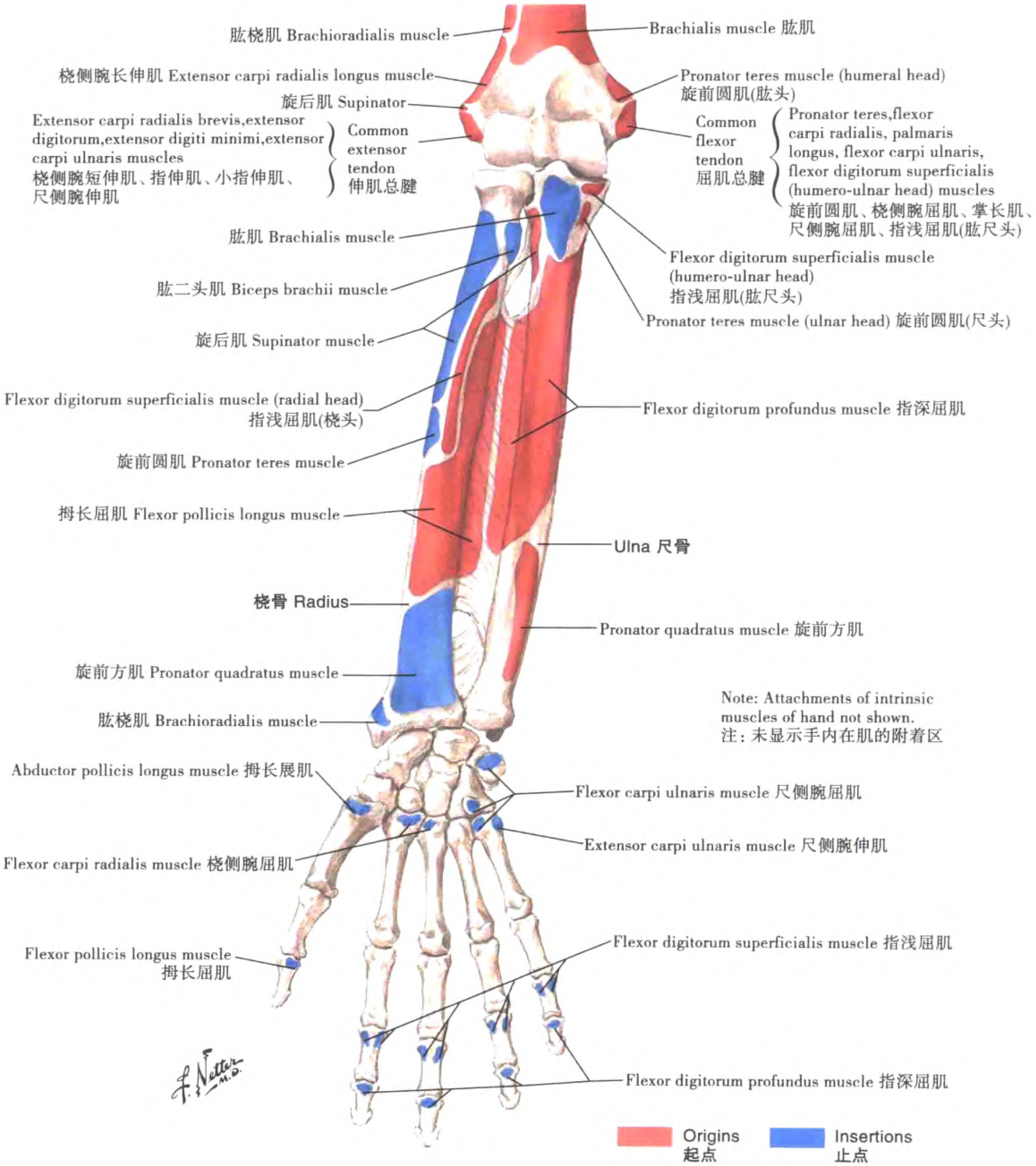
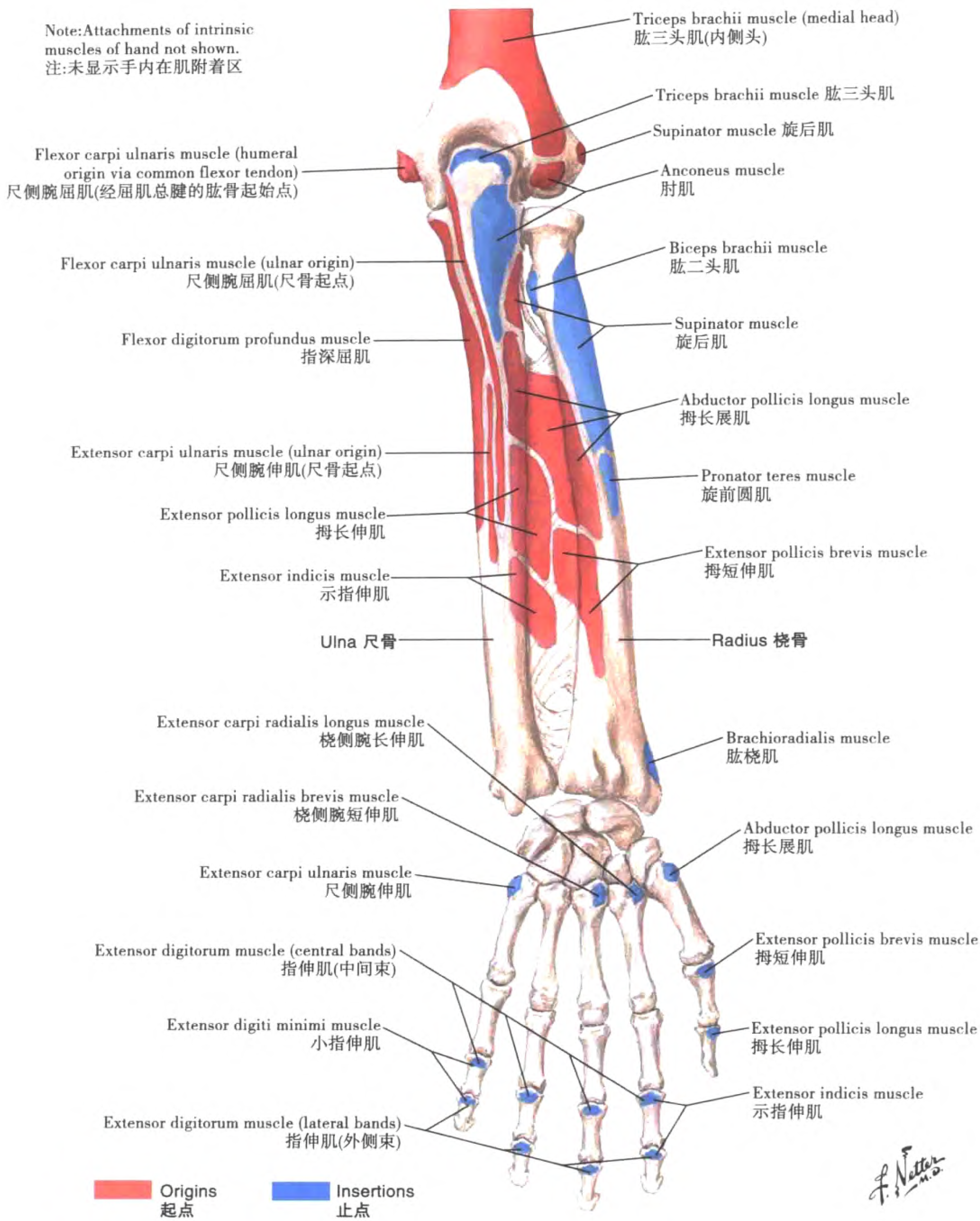
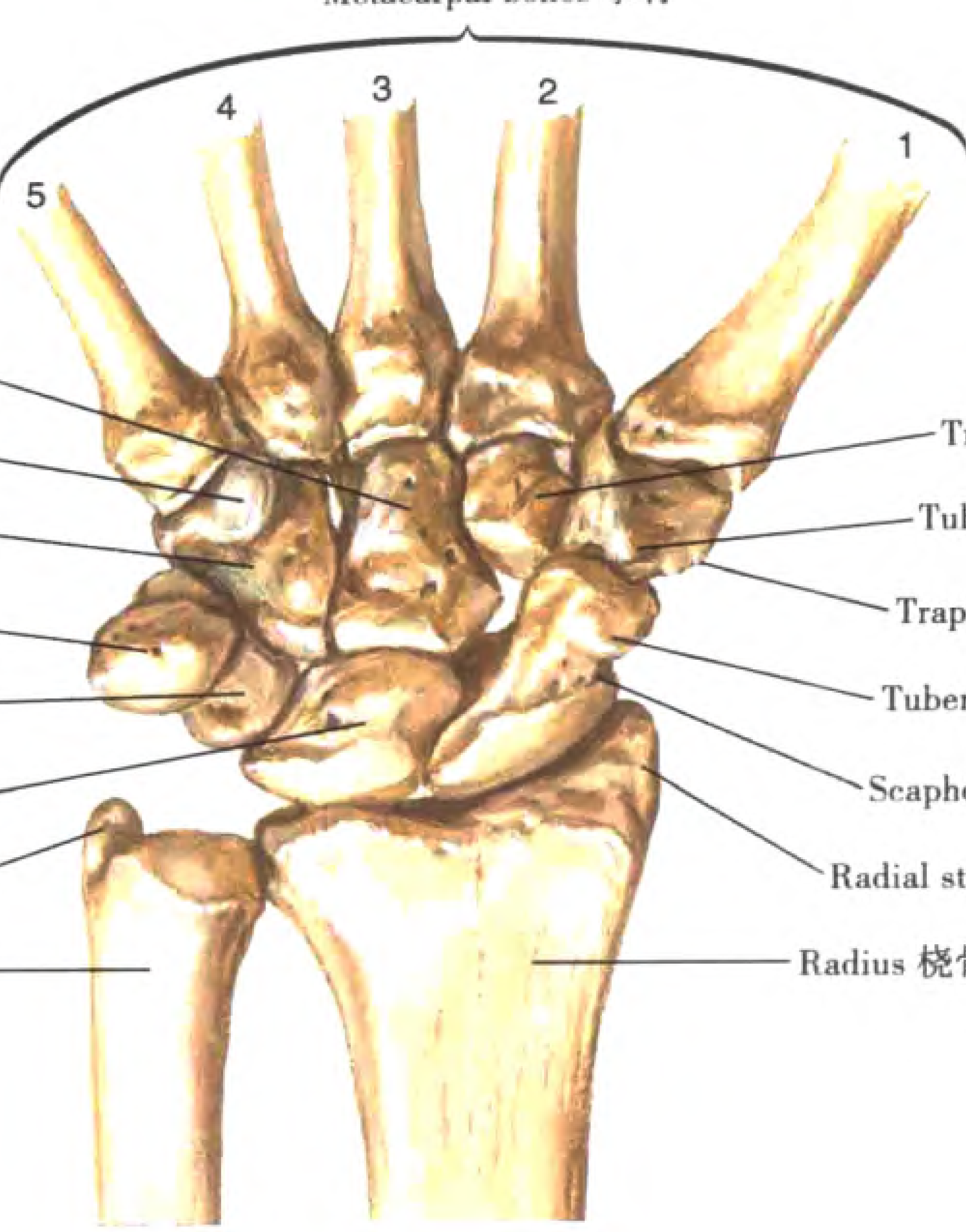

前臂正中静脉 Median antebrachial vein
旋前圆肌 Pronator teres muscle
Radial artery and superficial branch of radial nerve
桡动脉和桡神经浅支
桡骨 Radius
肱桡肌 Brachioradialis muscle
Cephalic vein and lateral antebrachial cutaneous nerve (from musculocutaneous nerve)
头静脉和前臂外侧皮神经(肌皮神经)
旋后肌 Supinator muscle
桡神经深支 Deep branch of radial nerve
桡侧腕长伸肌 Extensor carpi radialis longus muscle
桡侧腕短伸肌 Extensor carpi radialis brevis muscle
指伸肌 Extensor digitorum muscle
小指伸肌 Extensor digiti minimi muscle
尺侧腕伸肌 Extensor carpi ulnaris muscle
桡侧腕屈肌 Flexor carpi radialis muscle
肱桡肌 Brachioradialis muscle
桡动脉和桡神经浅支
Radial artery and superficial branch of radial nerve
拇长屈肌 Flexor pollicis longus muscle
桡侧腕长伸肌及其肌腱
Extensor carpi radialis longus muscle and tendon
桡侧腕短伸肌及其肌腱
Extensor carpi radialis brevis muscle and tendon
拇长展肌 Abductor pollicis longus muscle
指伸肌 Extensor digitorum muscle
小指伸肌 Extensor digiti minimi muscle
尺侧腕伸肌 Extensor carpi ulnaris muscle
桡侧腕屈肌腱 Flexor carpi radialis tendon
桡动脉 Radial artery
肱桡肌腱 Brachioradialis tendon
拇长展肌腱 Abductor pollicis longus tendon
桡神经浅支
Superficial branch of radial nerve
拇短伸肌 Extensor pollicis brevis tendon
桡侧腕长伸肌腱
Extensor carpi radialis longus tendon
桡侧腕短伸肌腱
Extensor carpi radialis brevis tendon
拇长屈肌 Flexor pollicis longus muscle
Extensor pollicis longus tendon
拇长伸肌腱
Radius
桡骨
Flexor digitorum superficialis muscle (radial head) 指浅屈肌(桡头)
Anterior branch of medial antebrachial cutaneous nerve 前臂内侧皮神经前支
Flexor pollicis longus muscle 拇长屈肌
Interosseous membrane (前臂)骨间膜
Flexor carpi radialis muscle 桡侧腕屈肌
Ulnar artery and median nerve
尺动脉和正中神经
Palmaris longus muscle 掌长肌
Flexor digitorum superficialis muscle(humero-ulnar head) 指浅屈肌(肱尺头)
Common interosseous artery 骨间总动脉
Ulnar nerve 尺神经
Flexor carpi ulnaris muscle 尺侧腕屈肌
Basilic vein 贵要静脉
Flexor digitorum profundus muscle 指深屈肌
Ulna and antebrachial fascia 尺骨筋膜和前臂筋膜
Anconeus muscle 肘肌
Posterior antebrachial cutaneous nerve (from radial nerve) 前臂后皮神经(来自桡神经)
Palmaris longus muscle 掌长肌
Flexor digitorum superficialis muscle 指浅屈肌
Median nerve 正中神经
Ulnar artery and nerve 尺动脉和尺神经
Flexor carpi ulnaris muscle 尺侧腕屈肌
Anterior interosseous artery and nerve (from median nerve)
骨间前动脉和神经(正中神经)
Flexor digitorum profundus muscle 指深屈肌
Interosseous membrane and extensor pollicis longus muscle
骨间膜和拇长伸肌
Posterior interosseous artery and nerve (continuation of deep branch of radial nerve) 骨间后动脉和神经(延自桡动脉深支)
Palmaris longus tendon 掌长肌腱
Median nerve 正中神经
Flexor digitorum superficialis muscle and tendons
指浅屈肌及其肌腱
Flexor carpi ulnaris muscle and tendon 尺侧腕屈肌及其肌腱
Ulnar artery and nerve 尺动脉和尺神经
Dorsal branch of ulnar nerve 尺神经手背支
Flexor digitorum profundus muscle and tendons 指深屈肌及其肌腱
Ulna 尺骨
Extensor carpi ulnaris tendon 尺侧腕伸肌腱
Pronator quadratus muscle and interosseous membrane
旋前方肌和(前臂)骨间膜
Extensor indicis muscle and tendon 示指伸肌及其肌腱
Extensor digiti minimi tendon 小指伸肌腱
Extensor digitorum tendons (common tendon to digits 4 and 5 at this level)
指伸肌腱(总肌腱从此水平到第4,5指)
F. Netter M.D.

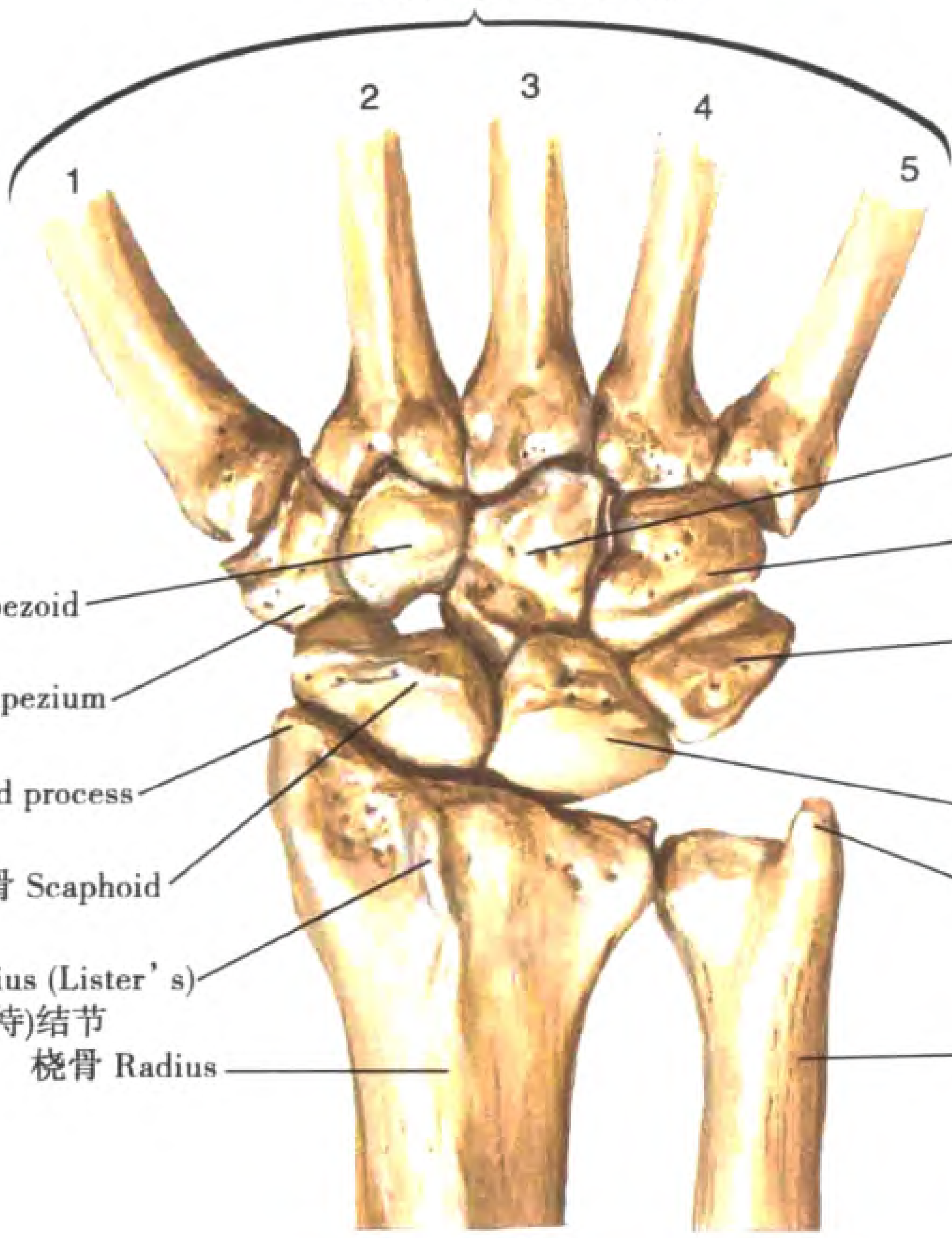
图 436 肘和前臂

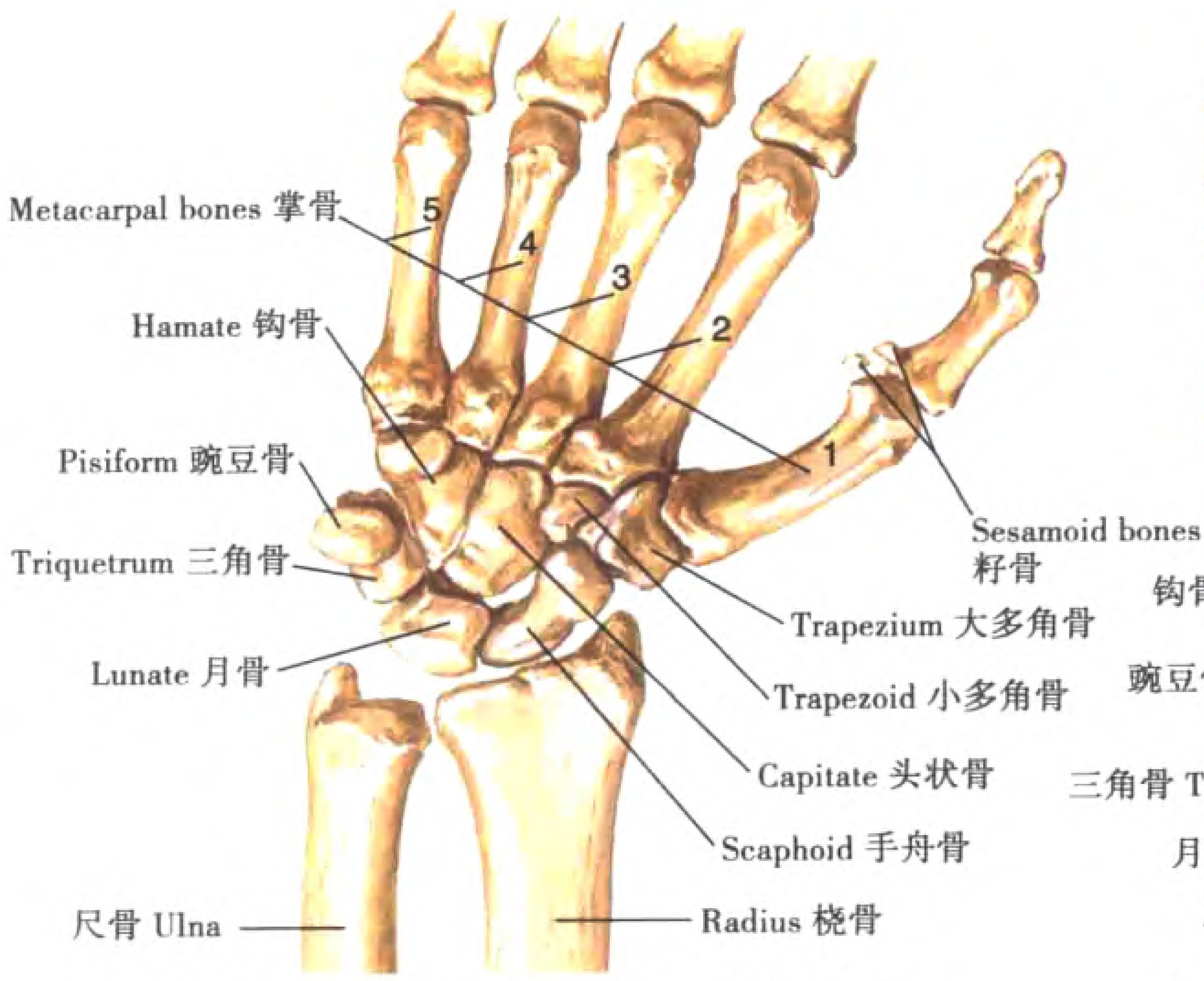
参见图 422


肱桡肌 Brachioradialis muscle
Brachialis muscle 肱肌
桡侧腕长伸肌 Extensor carpi radialis longus muscle
Pronator teres muscle (humeral head)
旋前圆肌(肱头)
旋后肌 Supinator
Extensor carpi radialis brevis,extensor digitorum,extensor digiti minimi,extensor carpi ulnaris muscles
桡侧腕短伸肌、指伸肌、小指伸肌、尺侧腕伸肌
Common extensor tendon
伸肌总腱
Common flexor tendon
屈肌总腱
Pronator teres,flexor carpi radialis, palmaris longus, flexor carpi ulnaris, flexor digitorum superficialis (humero-ulnar head) muscles
旋前圆肌、桡侧腕屈肌、掌长肌、尺侧腕屈肌、指浅屈肌(肱尺头)
肱肌 Brachialis muscle
Flexor digitorum superficialis muscle (humero-ulnar head)
指浅屈肌(肱尺头)
肱二头肌 Biceps brachii muscle
Pronator teres muscle (ulnar head) 旋前圆肌(尺头)
旋后肌 Supinator muscle
Flexor digitorum superficialis muscle (radial head)
指浅屈肌(桡头)
Flexor digitorum profundus muscle 指深屈肌
旋前圆肌 Pronator teres muscle
拇长屈肌 Flexor pollicis longus muscle
Ulna 尺骨
桡骨 Radius
Pronator quadratus muscle 旋前方肌
旋前方肌 Pronator quadratus muscle
Note: Attachments of intrinsic muscles of hand not shown.
注：未显示手内在肌的附着区
肱桡肌 Brachioradialis muscle
Abductor pollicis longus muscle 拇长展肌
Flexor carpi ulnaris muscle 尺侧腕屈肌
Extensor carpi ulnaris muscle 尺侧腕伸肌
Flexor carpi radialis muscle 桡侧腕屈肌
Flexor pollicis longus muscle
拇长屈肌
Flexor digitorum superficialis muscle 指浅屈肌
Flexor digitorum profundus muscle 指深屈肌
F. Netter M.D.
Origins
起点
Insertions
止点


Note:Attachments of intrinsic muscles of hand not shown.
注:未显示手内在肌附着区
Triceps brachii muscle (medial head)
肱三头肌(内侧头)
Triceps brachii muscle 肱三头肌
Supinator muscle 旋后肌
Flexor carpi ulnaris muscle (humeral origin via common flexor tendon)
尺侧腕屈肌(经屈肌总腱的肱骨起始点)
Anconeus muscle
肘肌
Biceps brachii muscle
肱二头肌
Flexor carpi ulnaris muscle (ulnar origin)
尺侧腕屈肌(尺骨起点)
Supinator muscle
旋后肌
Flexor digitorum profundus muscle
指深屈肌
Abductor pollicis longus muscle
拇长展肌
Extensor carpi ulnaris muscle (ulnar origin)
尺侧腕伸肌(尺骨起点)
Pronator teres muscle
旋前圆肌
Extensor pollicis longus muscle
拇长伸肌
Extensor pollicis brevis muscle
拇短伸肌
Extensor indicis muscle
示指伸肌
Ulna 尺骨
Radius 桡骨
Extensor carpi radialis longus muscle
桡侧腕长伸肌
Brachioradialis muscle
肱桡肌
Extensor carpi radialis brevis muscle
桡侧腕短伸肌
Abductor pollicis longus muscle
拇长展肌
Extensor carpi ulnaris muscle
尺侧腕伸肌
Extensor digitorum muscle (central bands)
指伸肌(中间束)
Extensor pollicis brevis muscle
拇短伸肌
Extensor digiti minimi muscle
小指伸肌
Extensor pollicis longus muscle
拇长伸肌
Extensor indicis muscle
示指伸肌
Extensor digitorum muscle (lateral bands)
指伸肌(外侧束)
Origins
起点
Insertions
止点


Metacarpal bones 掌骨
5
4
3
2
1
Anterior (palmar) view
前(掌侧)面观
头状骨 Capitate
钩骨钩 Hook of hamate
钩骨 Hamate
豌豆骨 Pisiform
三角骨 Triquetrum
月骨 Lunate
尺骨茎突 Ulnar styloid process
尺骨 Ulna
Trapezoid 小多角骨
Tubercle of trapezium 大多角骨结节
Trapezium 大多角骨
Tubercle of scaphoid 舟骨结节
Scaphoid 手舟骨
Radial styloid process 桡骨茎突
Radius 桡骨


Metacarpal bones 掌骨
1
2
3
4
5
Posterior (dorsal) view
后(背侧)面观
小多角骨 Trapezoid
大多角骨 Trapezium
桡骨茎突 Radial styloid process
手舟骨 Scaphoid
Dorsal tubercle of radius (Lister' s)
桡骨背侧(李斯特)结节
桡骨 Radius
Capitate 头状骨
Hamate 钩骨
Triquetrum 三角骨
Lunate 月骨
Ulnar styloid process 尺骨茎突
Ulna 尺骨



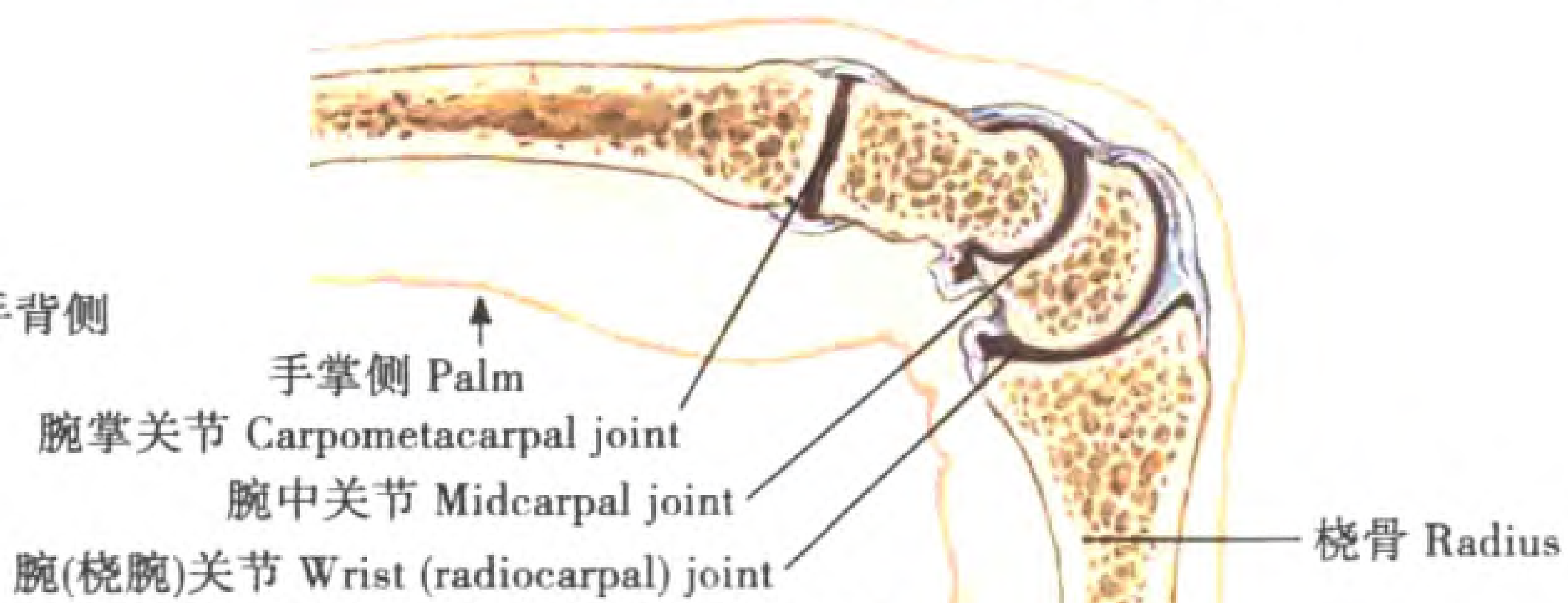
Position of carpal bones with hand in abduction: anterior (palmar) view
手外展时腕骨的位置:前(掌侧)面观



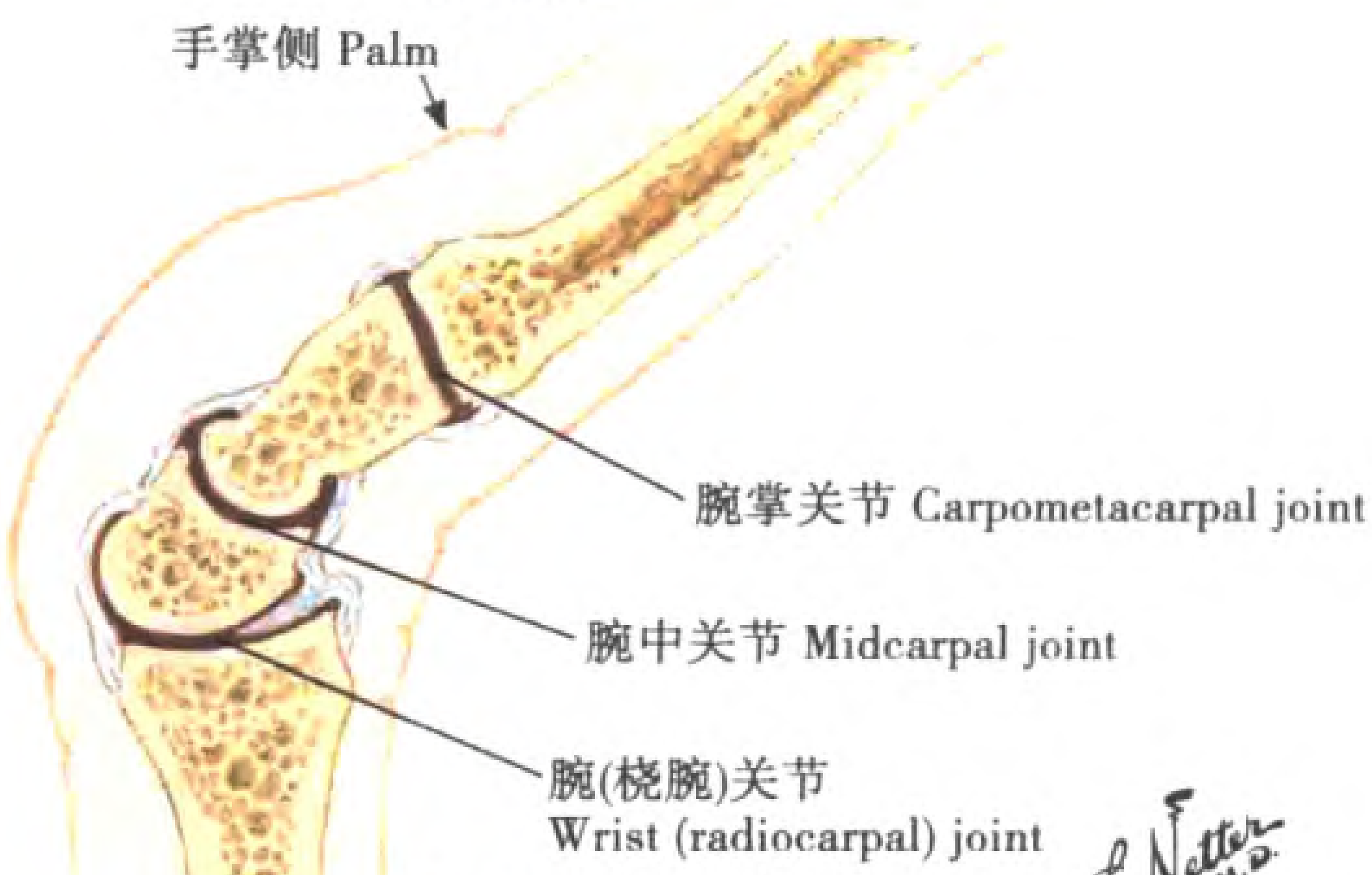
Position of carpal bones with hand in adduction: anterior (palmar) view
手内收时腕骨的位置:前(掌侧)面观



Hand in anatomical position
手处于解剖学姿势



Hand in flexion
手处于屈位

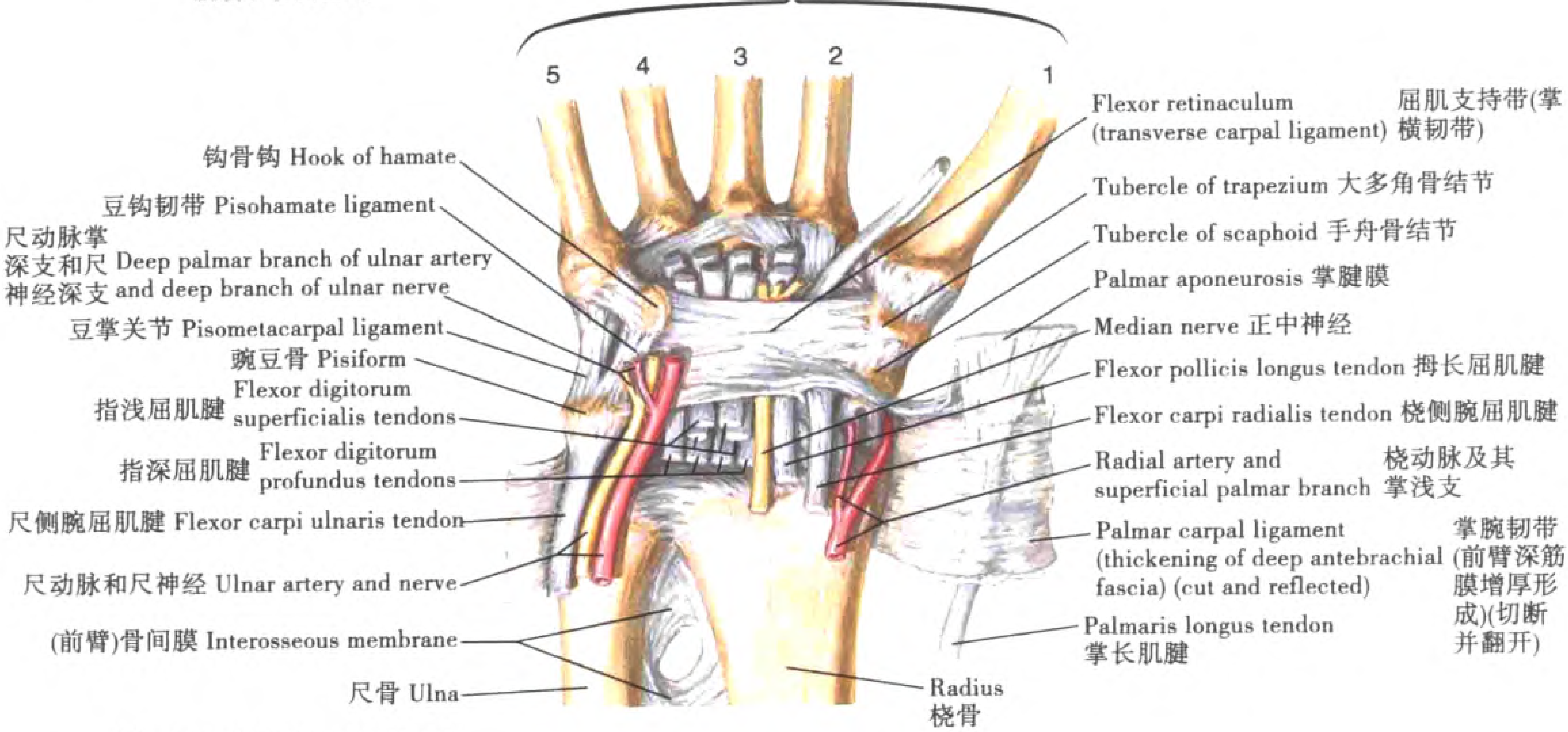


Hand in extension
手处于伸位

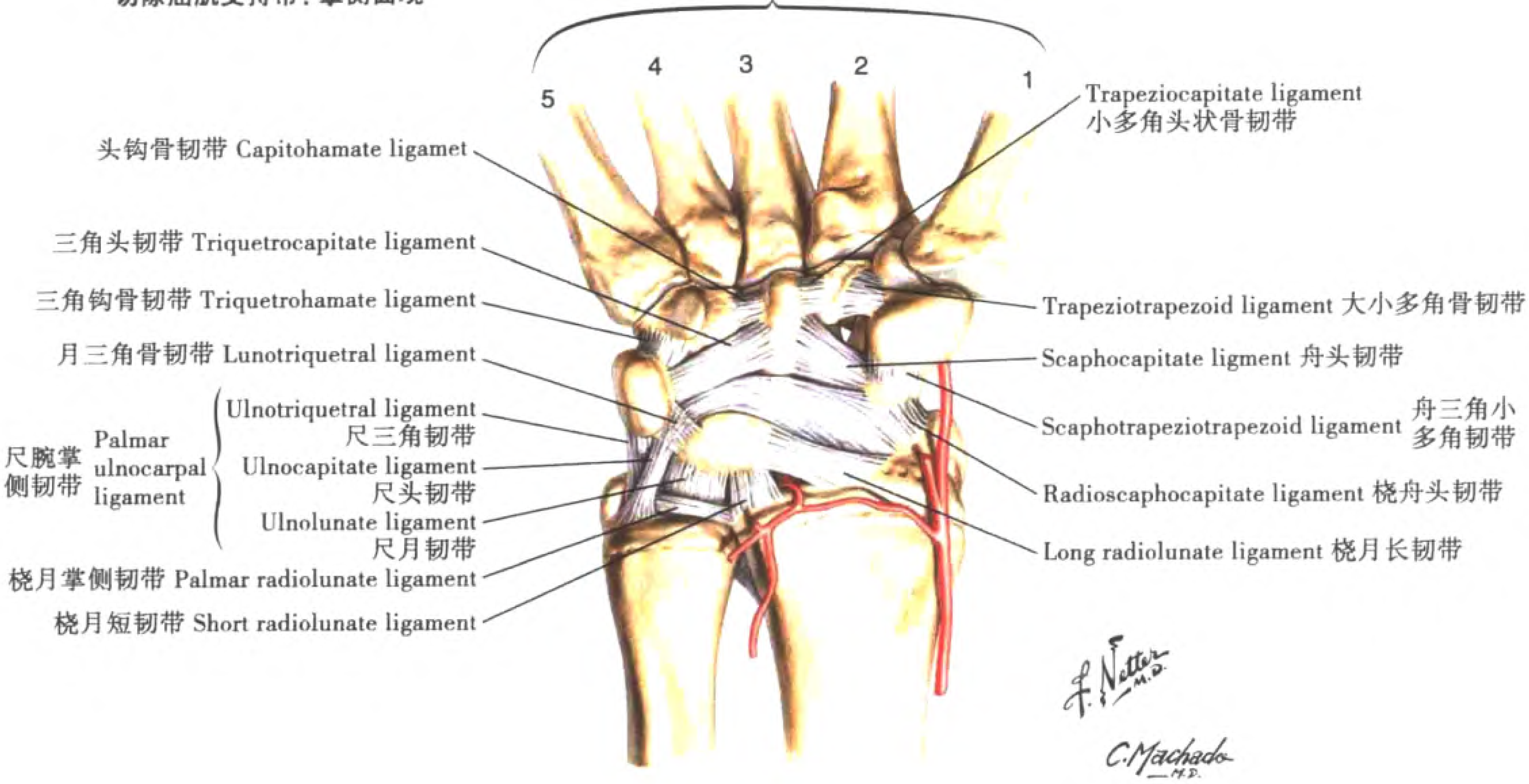
Sagittal sections through wrist and middle finger
经腕和中指的矢状断面

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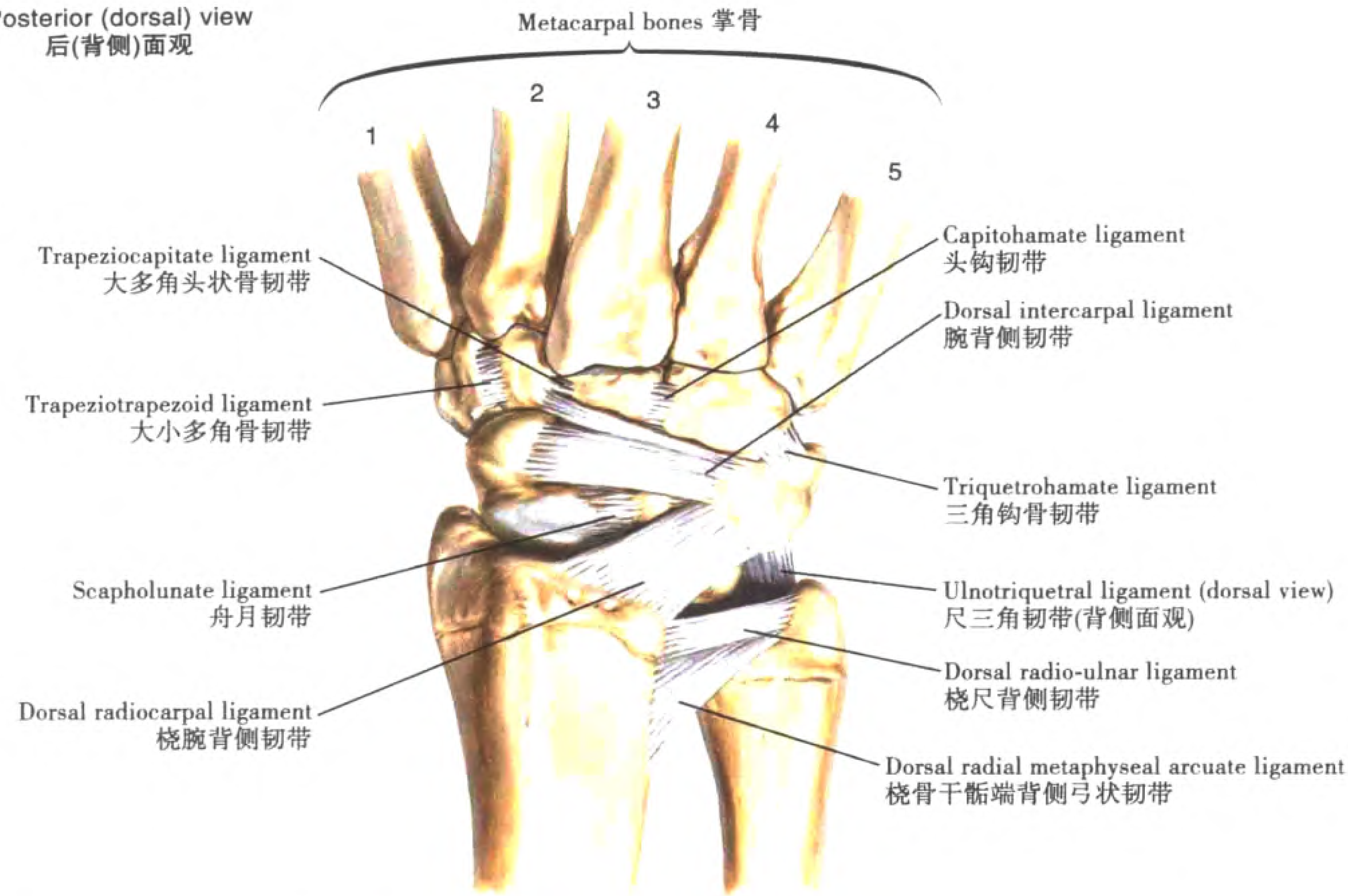
Carpal tunnel: palmar view
腕管：掌侧面观



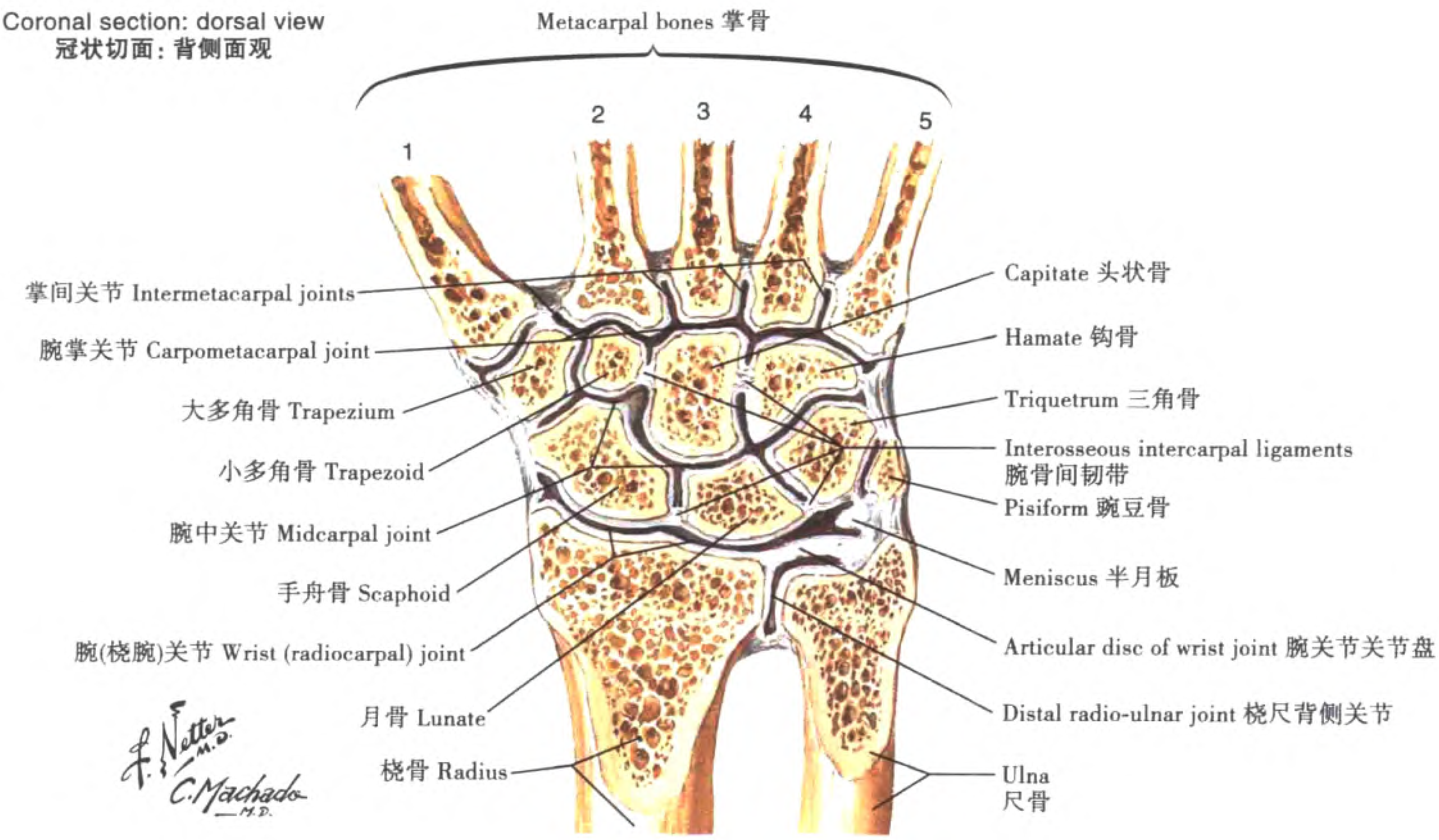
Flexor retinaculum removed: palmar view
切除屈肌支持带：掌侧面观

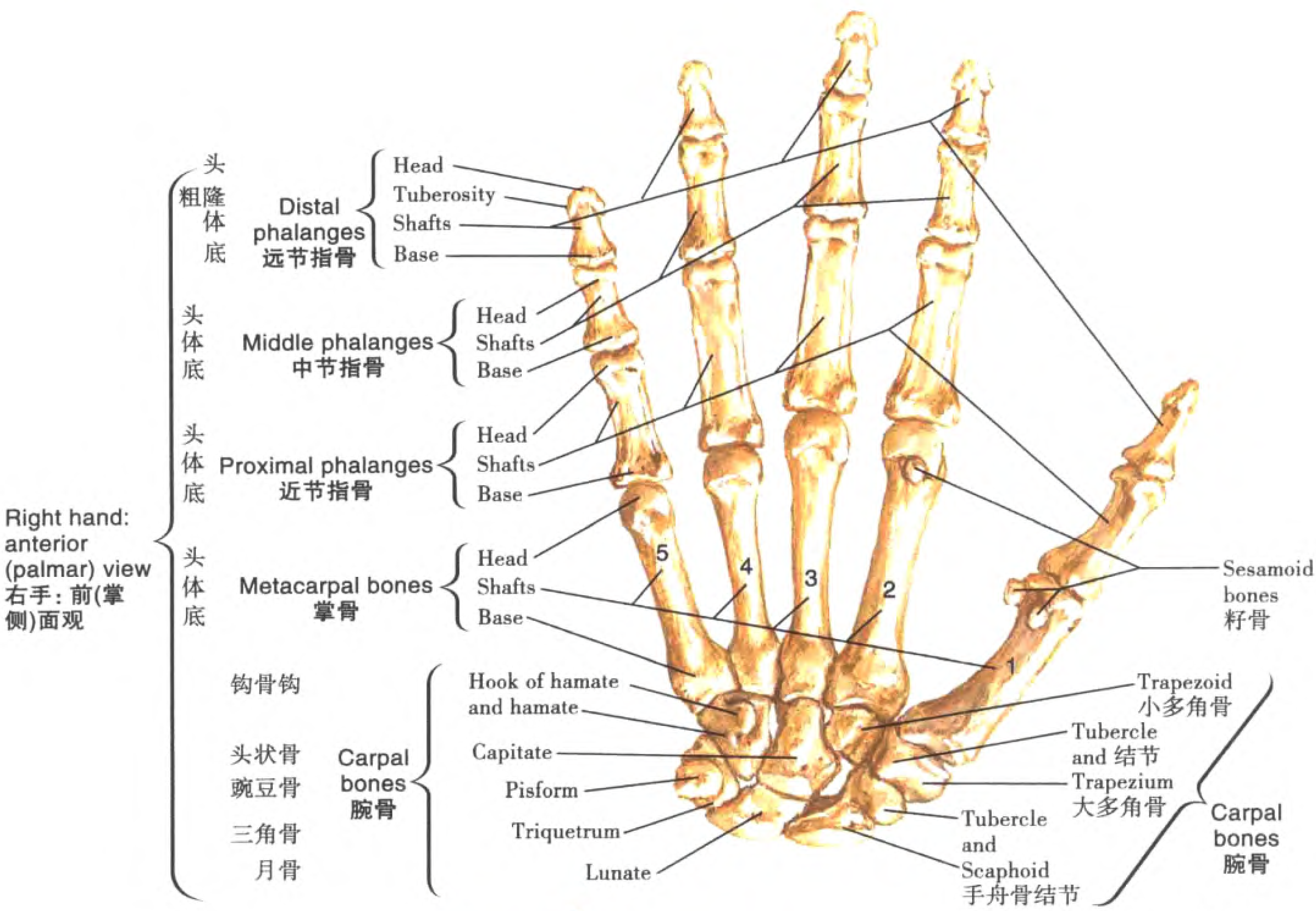


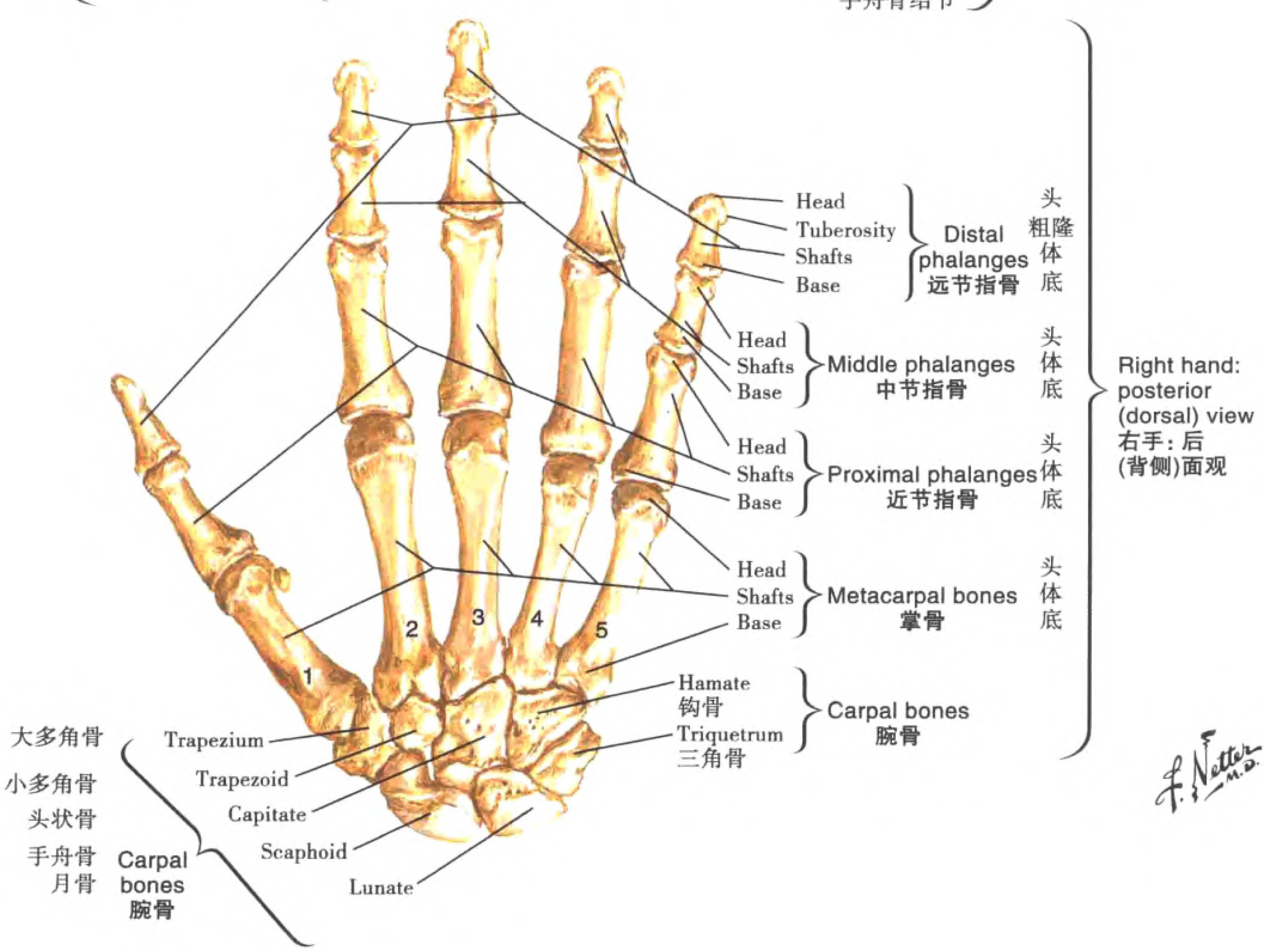
Posterior (dorsal) view
后(背侧)面观



Coronal section: dorsal view
冠状切面：背侧面观




Right hand: anterior (palmar) view
右手：前(掌侧)面观
Distal phalanges
远节指骨
Head 头
Tuberosity 粗隆
Shafts 体
Base 底
Middle phalanges
中节指骨
Head 头
Shafts 体
Base 底
Proximal phalanges
近节指骨
Head 头
Shafts 体
Base 底
Metacarpal bones
掌骨
Head 头
Shafts 体
Base 底
Carpal bones
腕骨
Hook of hamate and hamate
钩骨钩
Capitate
头状骨
Pisiform
豌豆骨
Triquetrum
三角骨
Lunate
月骨
Sesamoid bones
籽骨
Trapezoid
小多角骨
Tubercle and 结节
Trapezium
大多角骨
Tubercle and Scaphoid
手舟骨结节
Carpal bones
腕骨
1
2
3
4
5


Right hand: posterior (dorsal) view
右手：后(背侧)面观
Distal phalanges
远节指骨
Head 头
Tuberosity 粗隆
Shafts 体
Base 底
Middle phalanges
中节指骨
Head 头
Shafts 体
Base 底
Proximal phalanges
近节指骨
Head 头
Shafts 体
Base 底
Metacarpal bones
掌骨
Head 头
Shafts 体
Base 底
Carpal bones
腕骨
Hamate
钩骨
Triquetrum
三角骨
Carpal bones
腕骨
Trapezium 大多角骨
Trapezoid 小多角骨
Capitate 头状骨
Scaphoid 手舟骨
Lunate 月骨
1
2
3
4
5
F. Netter M.D.

Anteroposterior view 前后位



Lateral view 侧位

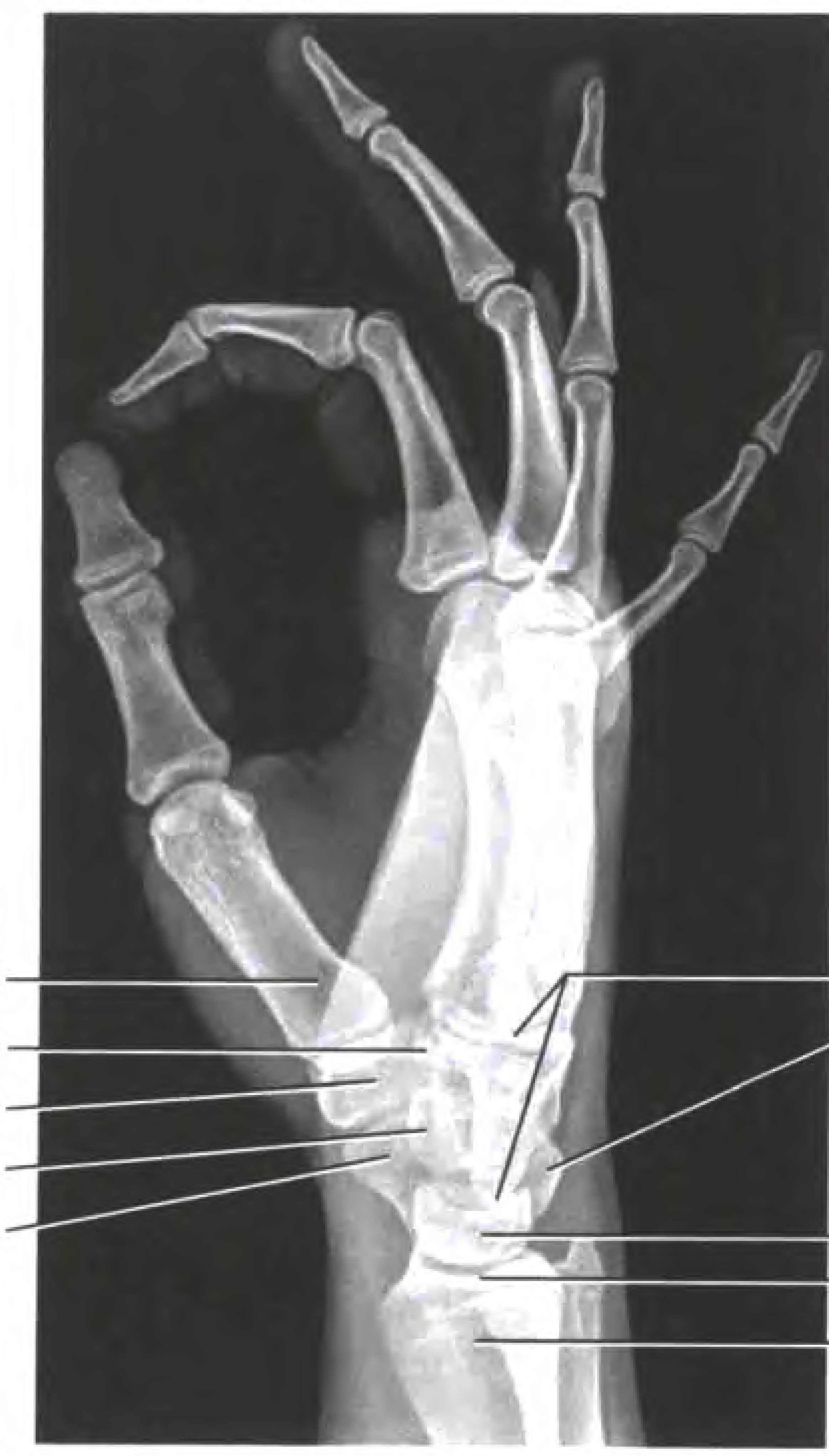
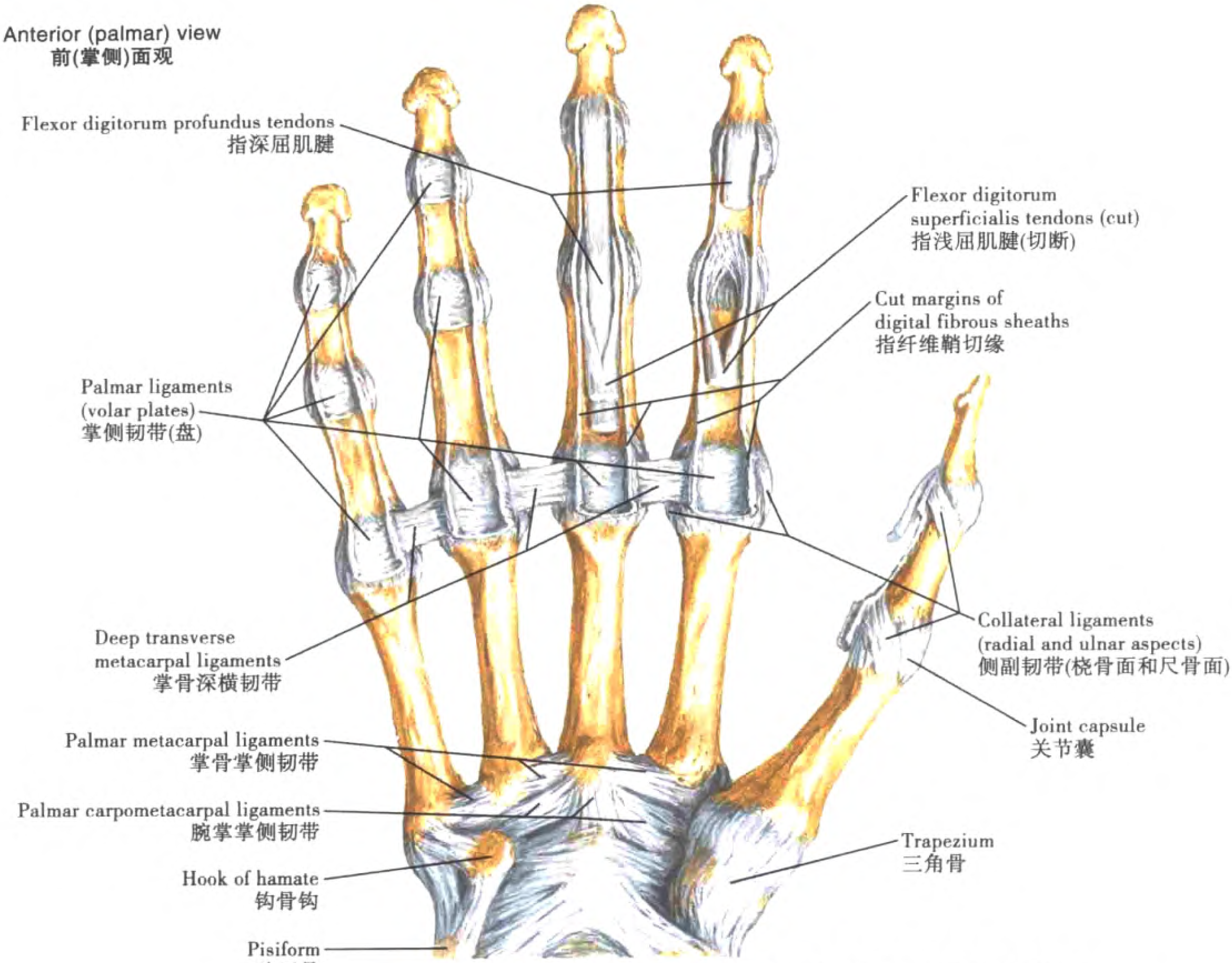
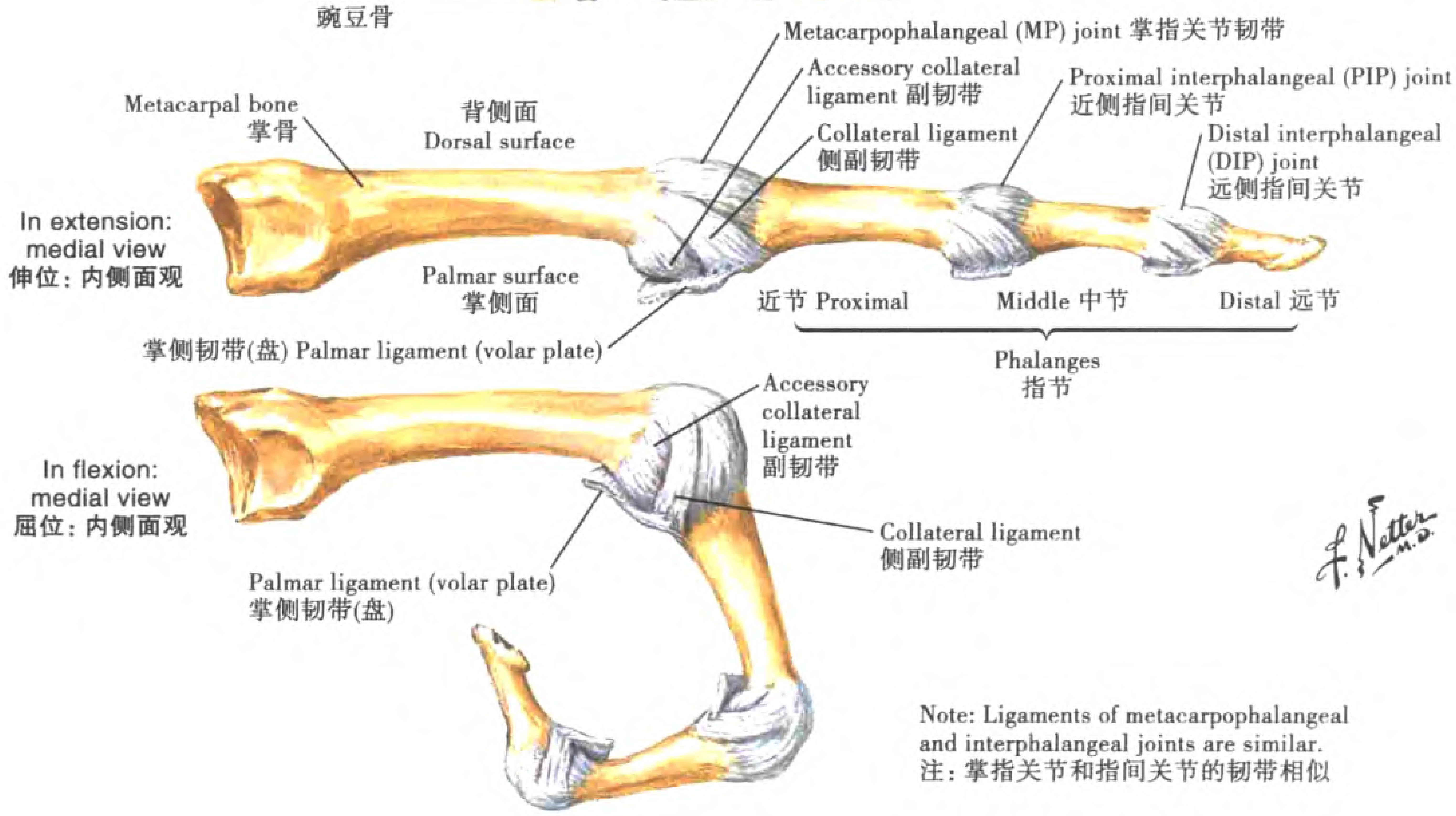


图 444 腕和手

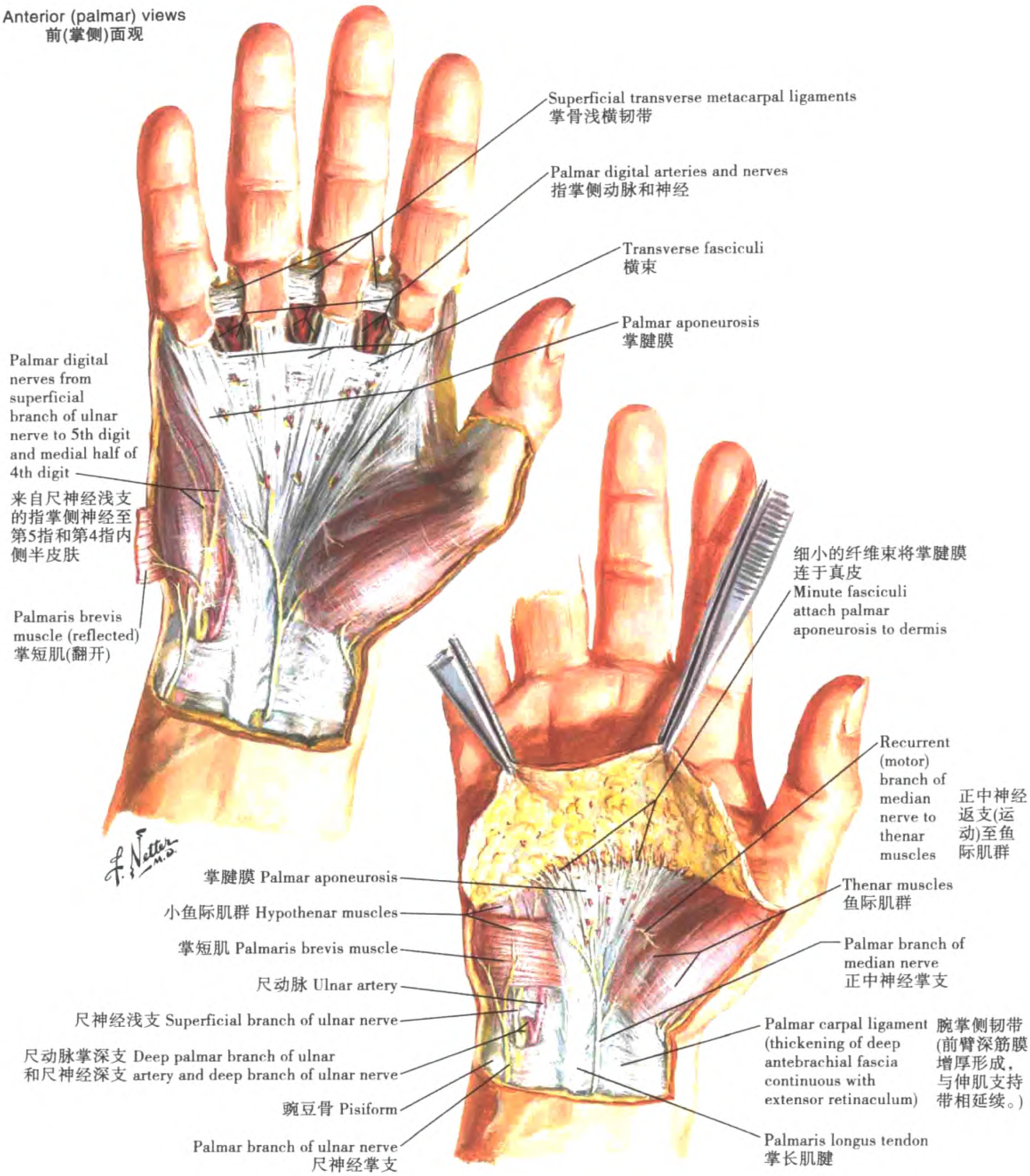
掌指韧带和指间韧带

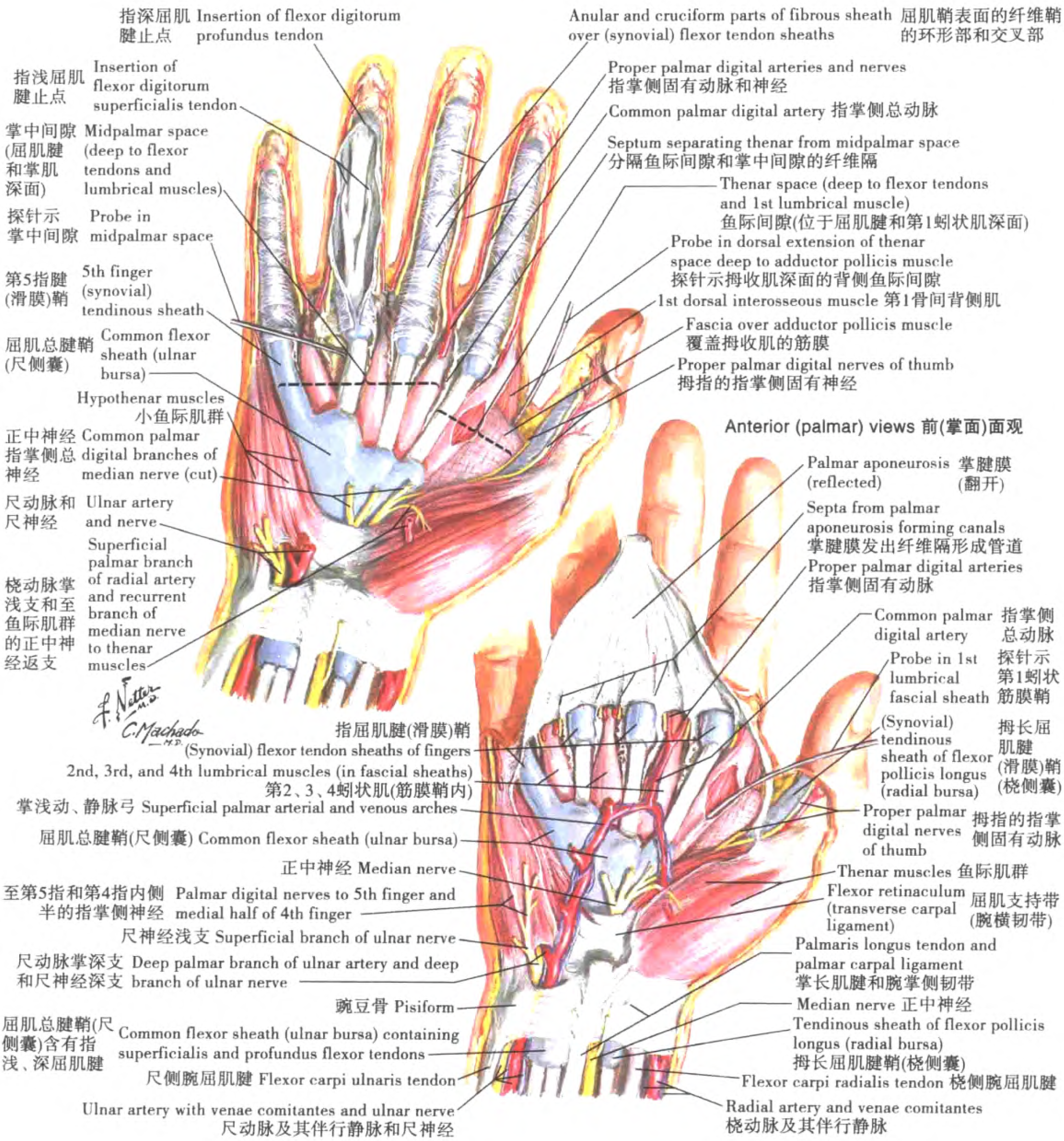
参见图 448,451



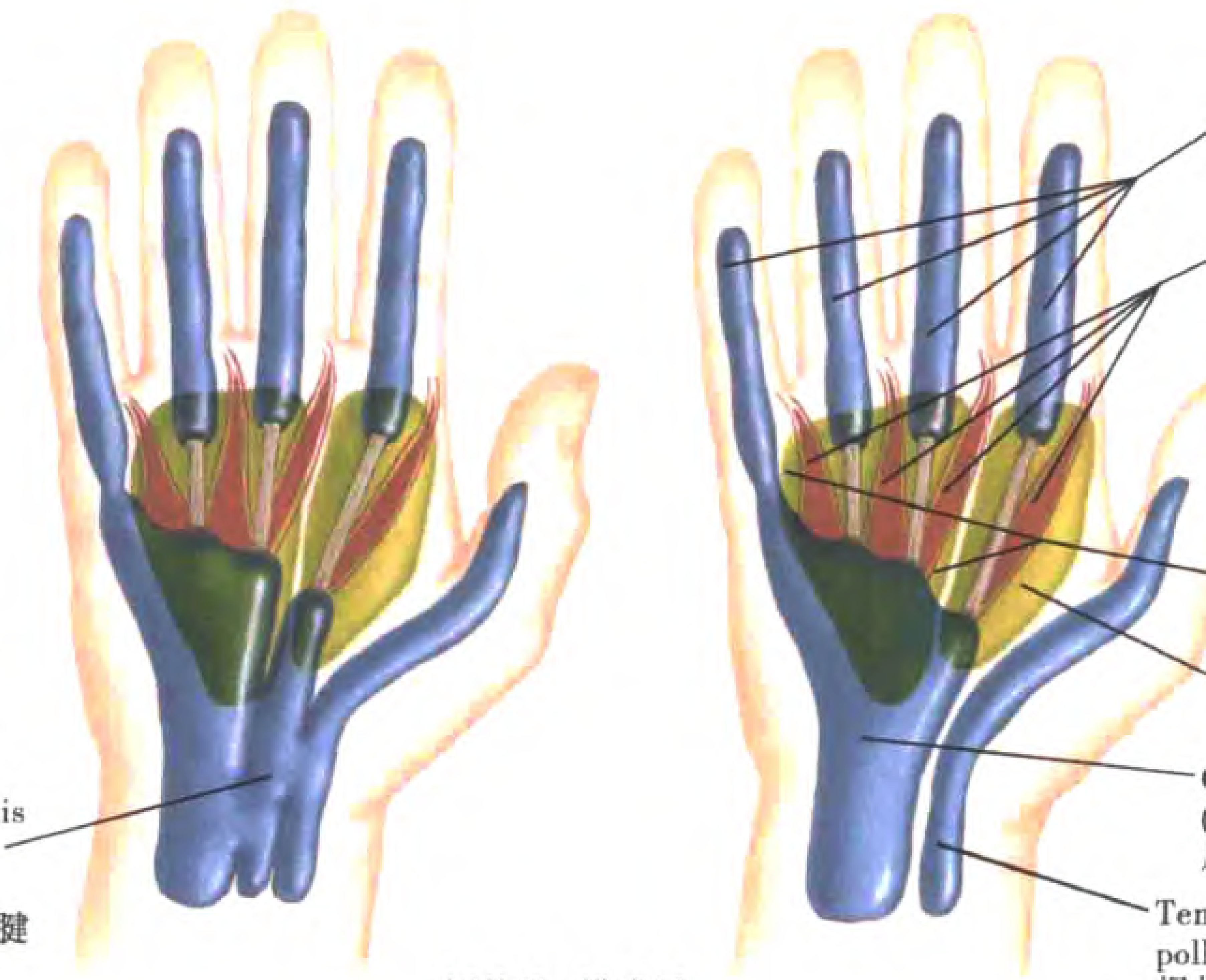


Note: Ligaments of metacarpophalangeal and interphalangeal joints are similar.
注：掌指关节和指间关节的韧带相似

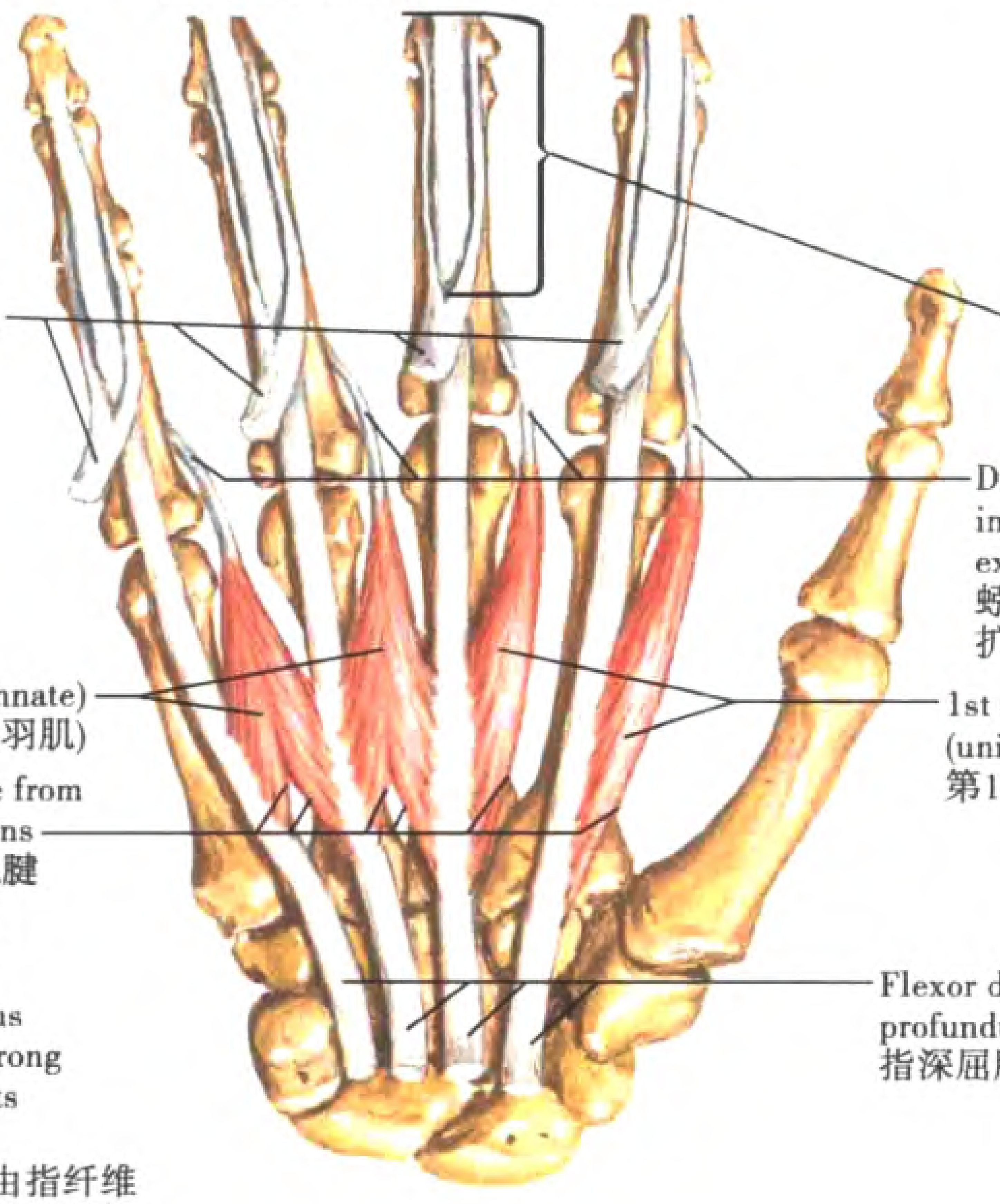

Anterior (palmar) views
前(掌侧)面观
Superficial transverse metacarpal ligaments
掌骨浅横韧带
Palmar digital arteries and nerves
指掌侧动脉和神经
Transverse fasciculi
横束
Palmar aponeurosis
掌腱膜
Palmar digital nerves from superficial branch of ulnar nerve to 5th digit and medial half of 4th digit
来自尺神经浅支的指掌侧神经至第5指和第4指内侧半皮肤
Palmaris brevis muscle (reflected)
掌短肌(翻开)
细小的纤维束将掌腱膜连于真皮
Minute fasciculi attach palmar aponeurosis to dermis
Recurrent (motor) branch of median nerve to thenar muscles
正中神经返支(运动)至鱼际肌群
掌腱膜 Palmar aponeurosis
小鱼际肌群 Hypothenar muscles
掌短肌 Palmaris brevis muscle
尺动脉 Ulnar artery
尺神经浅支 Superficial branch of ulnar nerve
尺动脉掌深支 Deep palmar branch of ulnar
和尺神经深支 artery and deep branch of ulnar nerve
豌豆骨 Pisiform
Palmar branch of ulnar nerve
尺神经掌支
Thenar muscles
鱼际肌群
Palmar branch of median nerve
正中神经掌支
Palmar carpal ligament (thickening of deep antebrachial fascia continuous with extensor retinaculum)
腕掌侧韧带(前臂深筋膜增厚形成，与伸肌支持带相延续。)
Palmaris longus tendon
掌长肌腱


指深屈肌腱止点 Insertion of flexor digitorum profundus tendon
Anular and cruciform parts of fibrous sheath over (synovial) flexor tendon sheaths 屈肌鞘表面的纤维鞘的环形部和交叉部
指浅屈肌腱止点 Insertion of flexor digitorum superficialis tendon
Proper palmar digital arteries and nerves 指掌侧固有动脉和神经
Common palmar digital artery 指掌侧总动脉
掌中间隙(屈肌腱和掌肌深面) Midpalmar space (deep to flexor tendons and lumbrical muscles)
Septum separating thenar from midpalmar space 分隔鱼际间隙和掌中间隙的纤维隔
Thenar space (deep to flexor tendons and 1st lumbrical muscle) 鱼际间隙(位于屈肌腱和第1蚓状肌深面)
探针示掌中间隙 Probe in midpalmar space
Probe in dorsal extension of thenar space deep to adductor pollicis muscle 探针示拇收肌深面的背侧鱼际间隙
第5指腱(滑膜)鞘 5th finger (synovial) tendinous sheath
1st dorsal interosseous muscle 第1骨间背侧肌
Fascia over adductor pollicis muscle 覆盖拇收肌的筋膜
屈肌总腱鞘(尺侧囊) Common flexor sheath (ulnar bursa)
Proper palmar digital nerves of thumb 拇指的指掌侧固有神经
Hypothenar muscles 小鱼际肌群
Anterior (palmar) views 前(掌面)面观
正中神经指掌侧总神经 Common palmar digital branches of median nerve (cut)
Palmar aponeurosis (reflected) 掌腱膜(翻开)
尺动脉和尺神经 Ulnar artery and nerve
Septa from palmar aponeurosis forming canals 掌腱膜发出纤维隔形成管道
Proper palmar digital arteries 指掌侧固有动脉
桡动脉掌浅支和至鱼际肌群的正中神经返支 Superficial palmar branch of radial artery and recurrent branch of median nerve to thenar muscles
Common palmar digital artery 指掌侧总动脉
Probe in 1st lumbrical fascial sheath 探针示第1蚓状筋膜鞘
指屈肌腱(滑膜)鞘 (Synovial) flexor tendon sheaths of fingers
(Synovial) tendinous sheath of flexor pollicis longus (radial bursa) 拇长屈肌腱(滑膜)鞘(桡侧囊)
2nd, 3rd, and 4th lumbrical muscles (in fascial sheaths) 第2、3、4蚓状肌(筋膜鞘内)
掌浅动、静脉弓 Superficial palmar arterial and venous arches
Proper palmar digital nerves of thumb 拇指的指掌侧固有动脉
屈肌总腱鞘(尺侧囊) Common flexor sheath (ulnar bursa)
正中神经 Median nerve
Thenar muscles 鱼际肌群
至第5指和第4指内侧半的指掌侧神经 Palmar digital nerves to 5th finger and medial half of 4th finger
Flexor retinaculum (transverse carpal ligament) 屈肌支持带(腕横韧带)
尺神经浅支 Superficial branch of ulnar nerve
Palmaris longus tendon and palmar carpal ligament 掌长肌腱和腕掌侧韧带
尺动脉掌深支和尺神经深支 Deep palmar branch of ulnar artery and deep branch of ulnar nerve
豌豆骨 Pisiform
Median nerve 正中神经
屈肌总腱鞘(尺侧囊)含有指浅、深屈肌腱 Common flexor sheath (ulnar bursa) containing superficialis and profundus flexor tendons
Tendinous sheath of flexor pollicis longus (radial bursa) 拇长屈肌腱鞘(桡侧囊)
尺侧腕屈肌腱 Flexor carpi ulnaris tendon
Flexor carpi radialis tendon 桡侧腕屈肌腱
Ulnar artery with venae comitantes and ulnar nerve 尺动脉及其伴行静脉和尺神经
Radial artery and venae comitantes 桡动脉及其伴行静脉

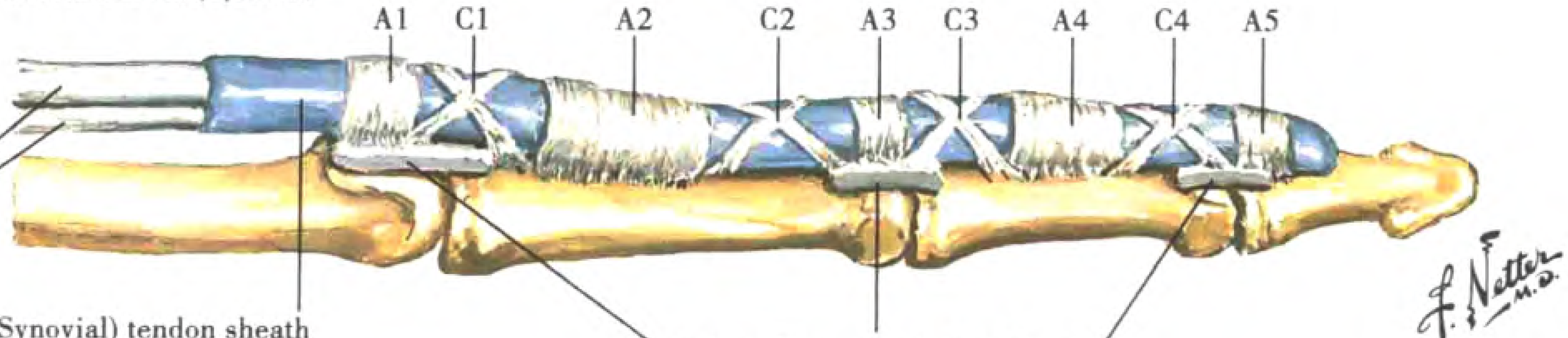
参见图 445



蚓状肌：模式图
Lumbrical muscles: schema

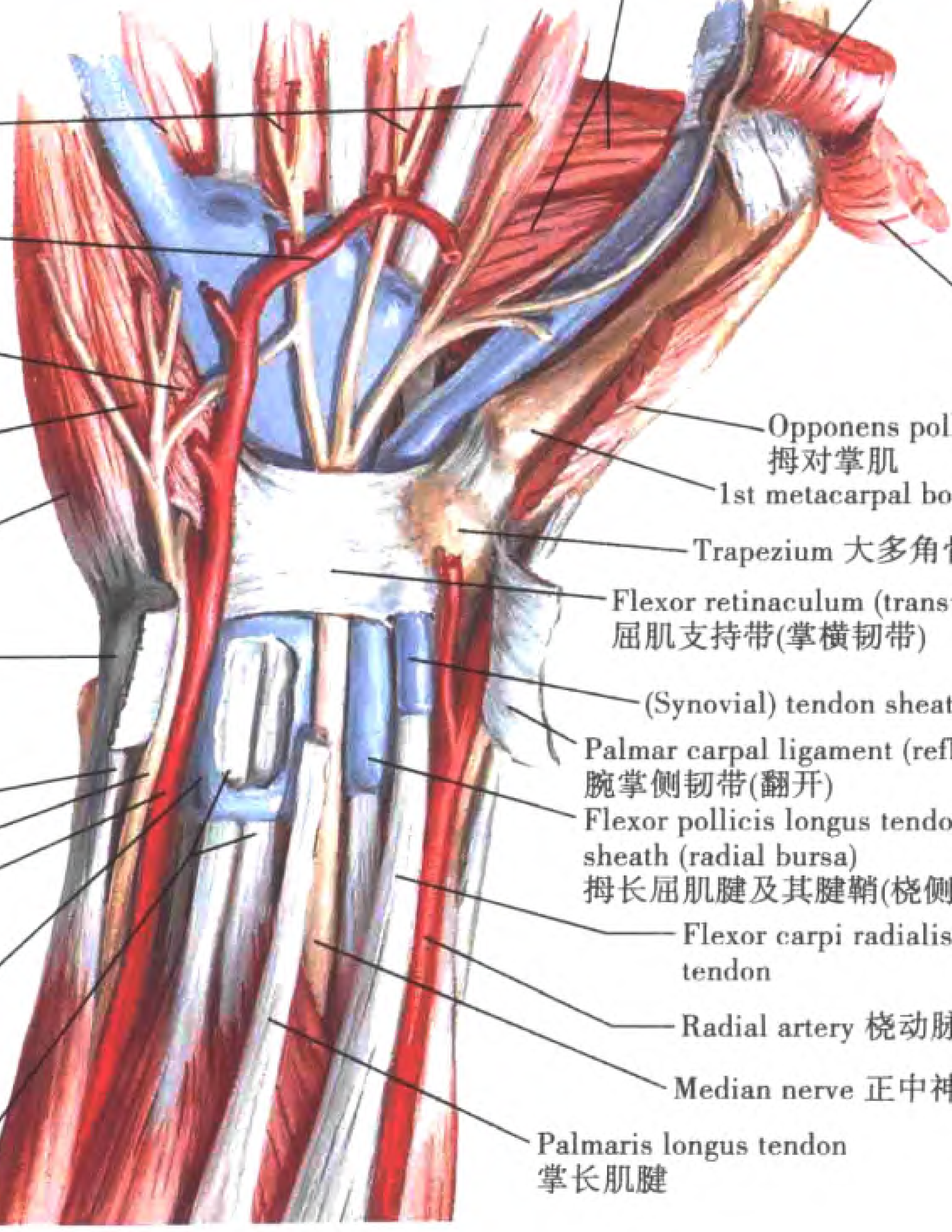


Note: Flexor digitorum superficialis and profundus tendons encased in synovial sheaths are bound to phalanges by fibrous digital sheaths made up of alternating strong anular (A) and weaker cruciform (C) parts (pulleys).
注：被滑膜鞘包裹的指浅、深屈肌腱由指纤维鞘固定于指骨上，指纤维鞘由交替出现的坚韧的环形部(A)和较弱的交叉部(C)组成。

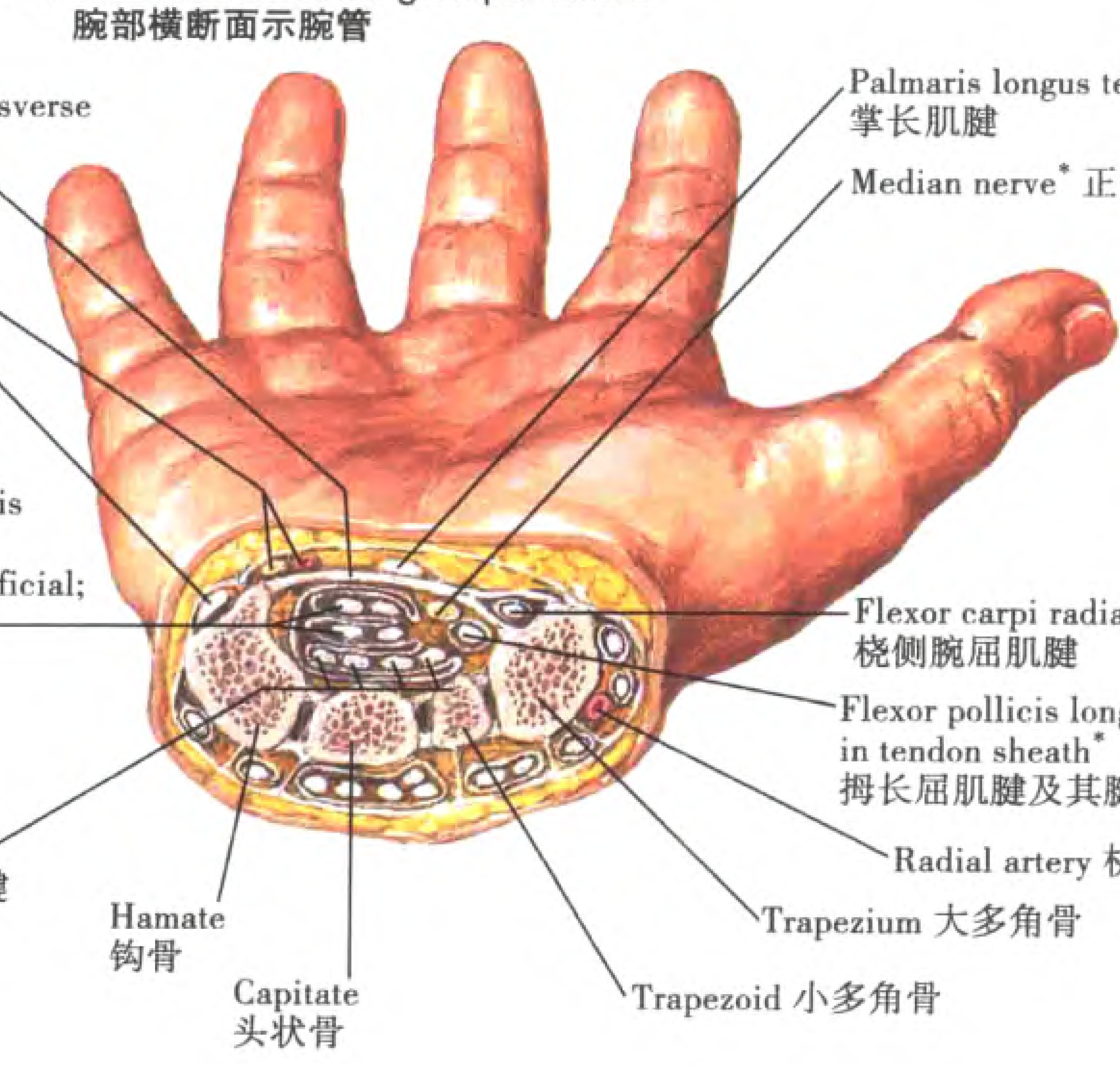


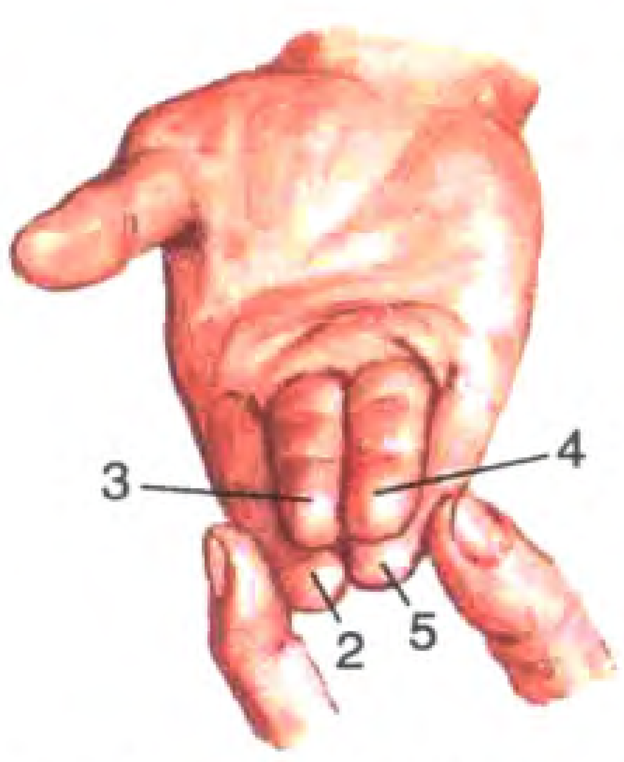
参见图 459、460

Palmar view
掌面观



Cross section of wrist demonstrating carpal tunnel
腕部横断面示腕管





Simple method of demonstrating arrangement of flexor digitorum superficialis tendons within carpal tunnel
简单的方法示意腕管内指浅屈肌腱的排列

*Contents of carpal tunnel
腕管内容物

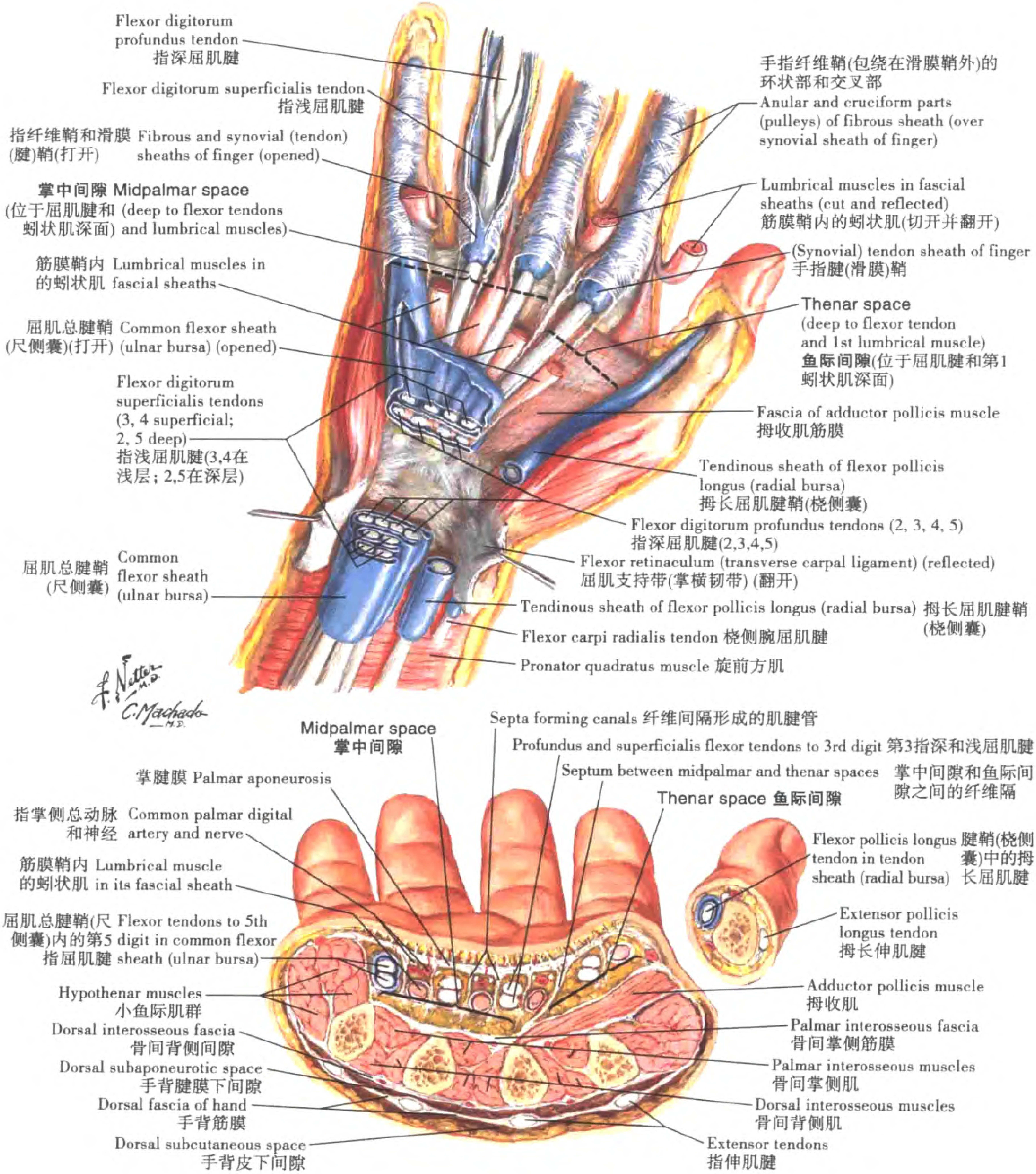
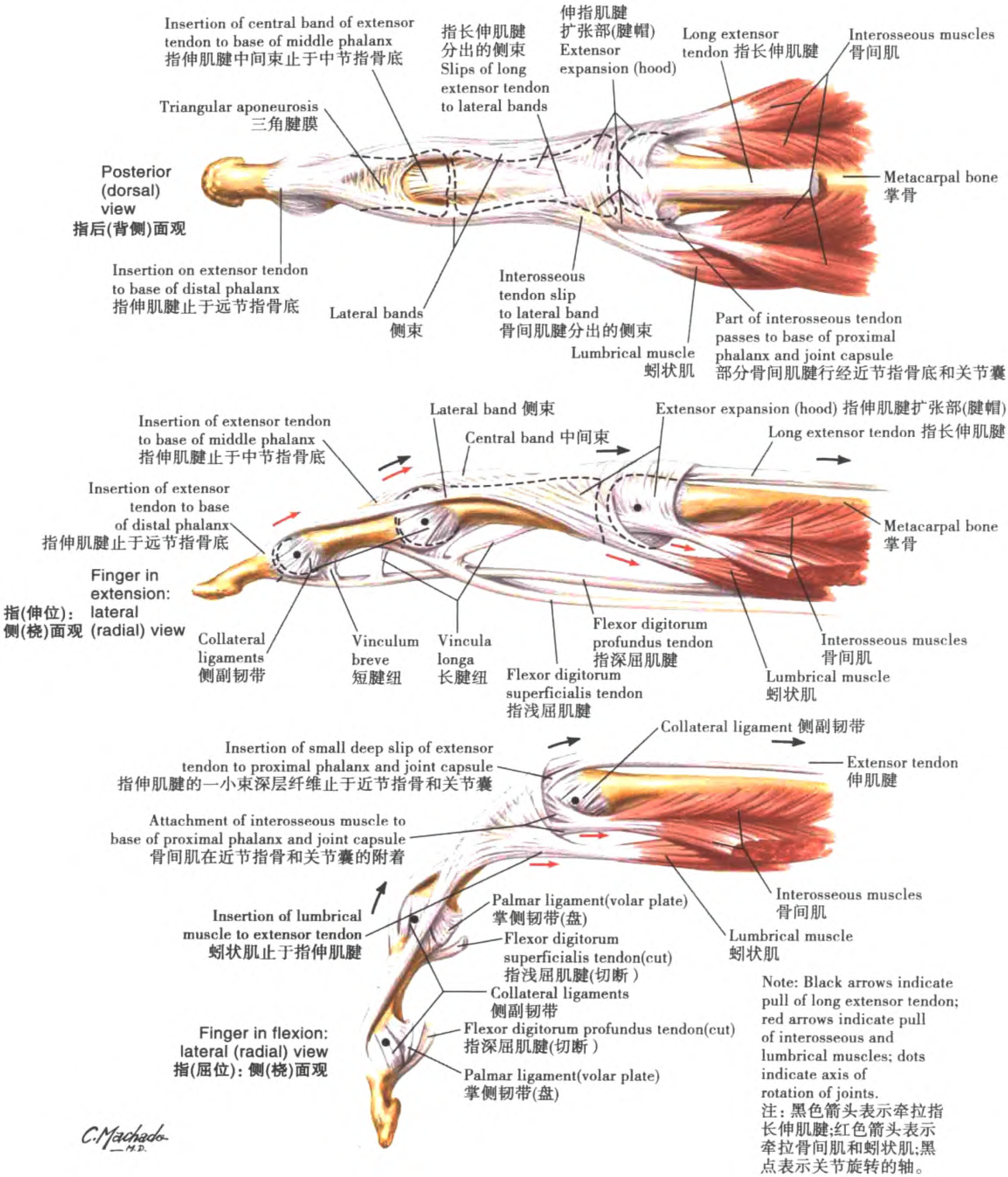
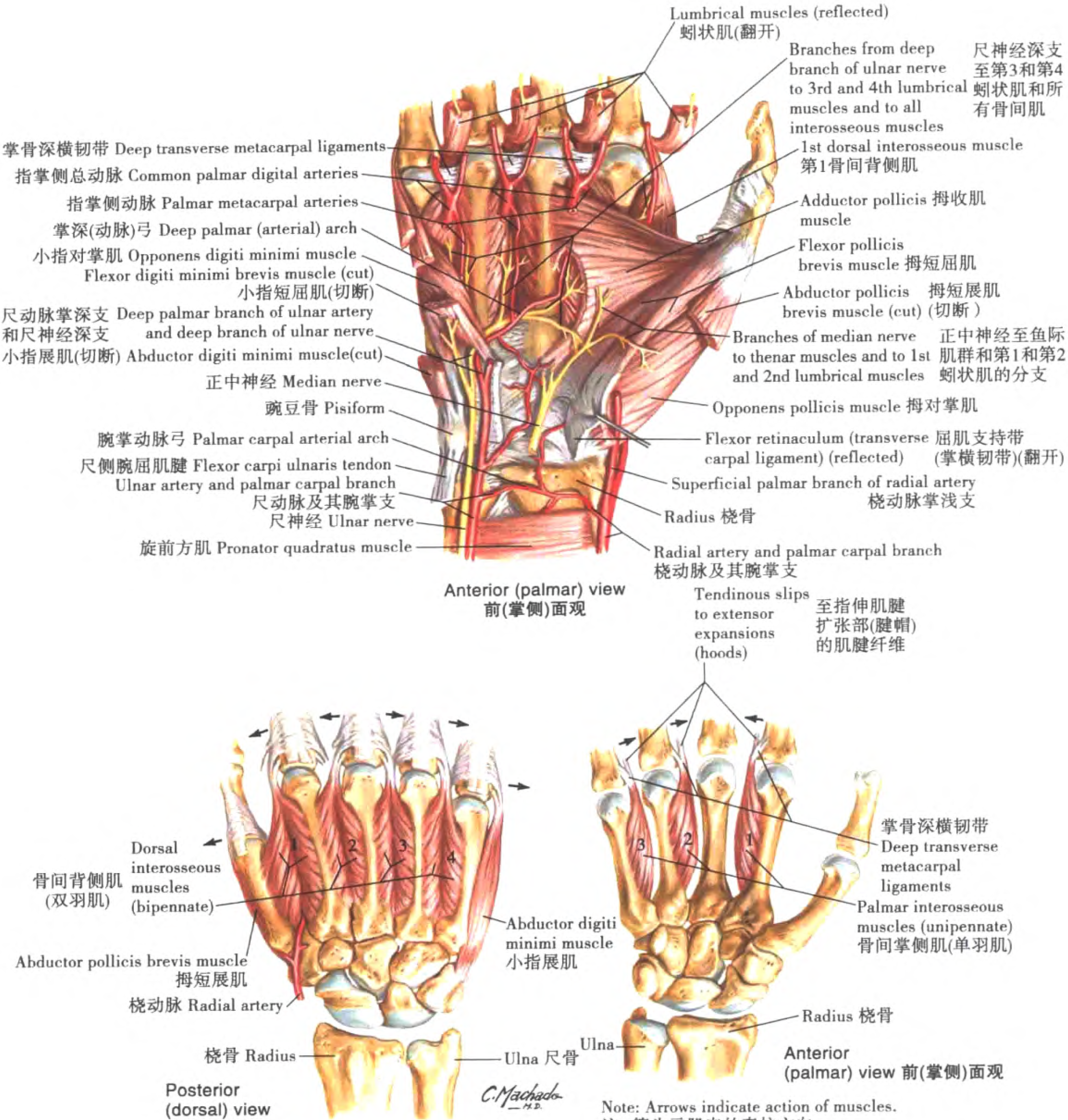

Flexor digitorum profundus tendon 指深屈肌腱
Flexor digitorum superficialis tendon 指浅屈肌腱
指纤维鞘和滑膜(腱)鞘(打开) Fibrous and synovial (tendon) sheaths of finger (opened)
掌中间隙 Midpalmar space (位于屈肌腱和蚓状肌深面) (deep to flexor tendons and lumbrical muscles)
筋膜鞘内的蚓状肌 Lumbrical muscles in fascial sheaths
屈肌总腱鞘(尺侧囊)(打开) Common flexor sheath (ulnar bursa) (opened)
Flexor digitorum superficialis tendons (3, 4 superficial; 2, 5 deep) 指浅屈肌腱(3,4在浅层；2,5在深层)
屈肌总腱鞘(尺侧囊) Common flexor sheath (ulnar bursa)
手指纤维鞘(包绕在滑膜鞘外)的环状部和交叉部 Anular and cruciform parts (pulleys) of fibrous sheath (over synovial sheath of finger)
Lumbrical muscles in fascial sheaths (cut and reflected) 筋膜鞘内的蚓状肌(切开并翻开)
(Synovial) tendon sheath of finger 手指腱(滑膜)鞘
Thenar space (deep to flexor tendon and 1st lumbrical muscle) 鱼际间隙(位于屈肌腱和第1蚓状肌深面)
Fascia of adductor pollicis muscle 拇收肌筋膜
Tendinous sheath of flexor pollicis longus (radial bursa) 拇长屈肌腱鞘(桡侧囊)
Flexor digitorum profundus tendons (2, 3, 4, 5) 指深屈肌腱(2,3,4,5)
Flexor retinaculum (transverse carpal ligament) (reflected) 屈肌支持带(掌横韧带) (翻开)
Tendinous sheath of flexor pollicis longus (radial bursa) 拇长屈肌腱鞘(桡侧囊)
Flexor carpi radialis tendon 桡侧腕屈肌腱
Pronator quadratus muscle 旋前方肌
F. Netter M.D.
C. Machado M.D.
Midpalmar space 掌中间隙
Septa forming canals 纤维间隔形成的肌腱管
Profundus and superficialis flexor tendons to 3rd digit 第3指深和浅屈肌腱
Septum between midpalmar and thenar spaces 掌中间隙和鱼际间隙之间的纤维隔
Thenar space 鱼际间隙
掌腱膜 Palmar aponeurosis
指掌侧总动脉和神经 Common palmar digital artery and nerve
筋膜鞘内的蚓状肌 Lumbrical muscle in its fascial sheath
屈肌总腱鞘(尺侧囊)内的第5指屈肌腱 Flexor tendons to 5th digit in common flexor sheath (ulnar bursa)
Hypothenar muscles 小鱼际肌群
Dorsal interosseous fascia 骨间背侧间隙
Dorsal subaponeurotic space 手背腱膜下间隙
Dorsal fascia of hand 手背筋膜
Dorsal subcutaneous space 手背皮下间隙
Flexor pollicis longus tendon in tendon sheath (radial bursa) 腱鞘(桡侧囊)中的拇长屈肌腱
Extensor pollicis longus tendon 拇长伸肌腱
Adductor pollicis muscle 拇收肌
Palmar interosseous fascia 骨间掌侧筋膜
Palmar interosseous muscles 骨间掌侧肌
Dorsal interosseous muscles 骨间背侧肌
Extensor tendons 指伸肌腱

图 450 腕和手

手指的屈肌腱和伸肌腱

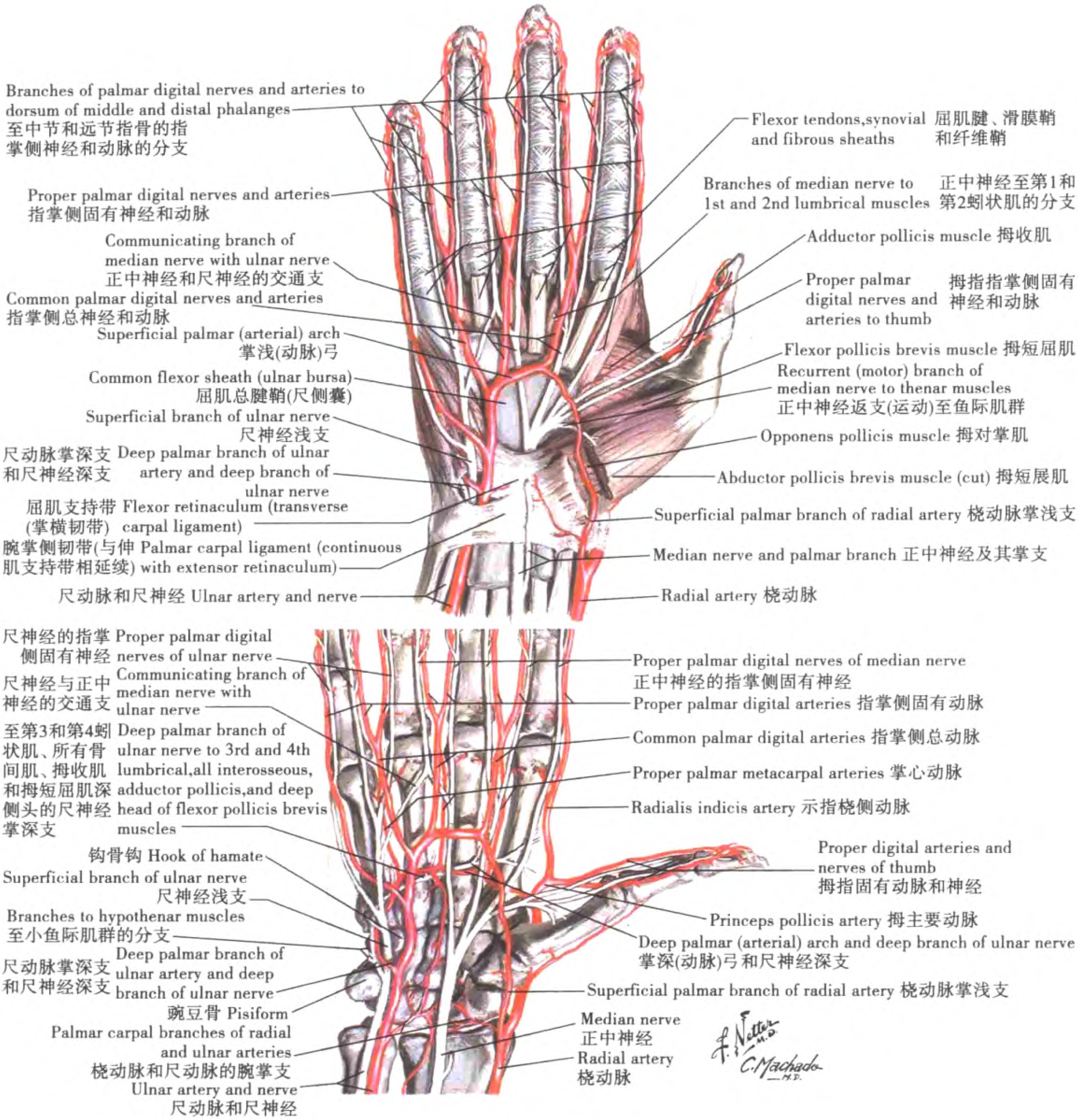
参见图 445



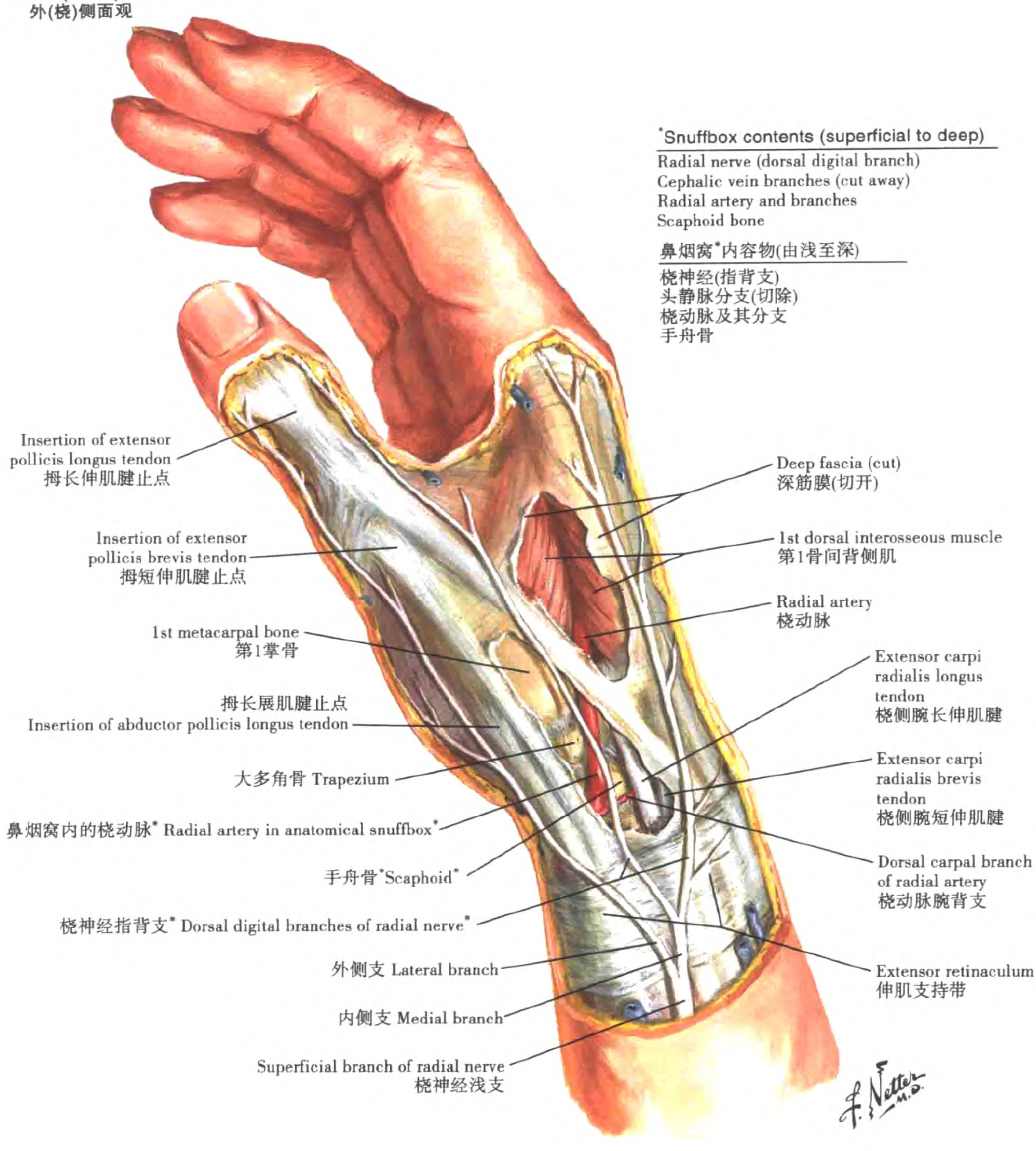


Note: Arrows indicate action of muscles.
注：箭头示肌肉的牵拉方向

参见图 420

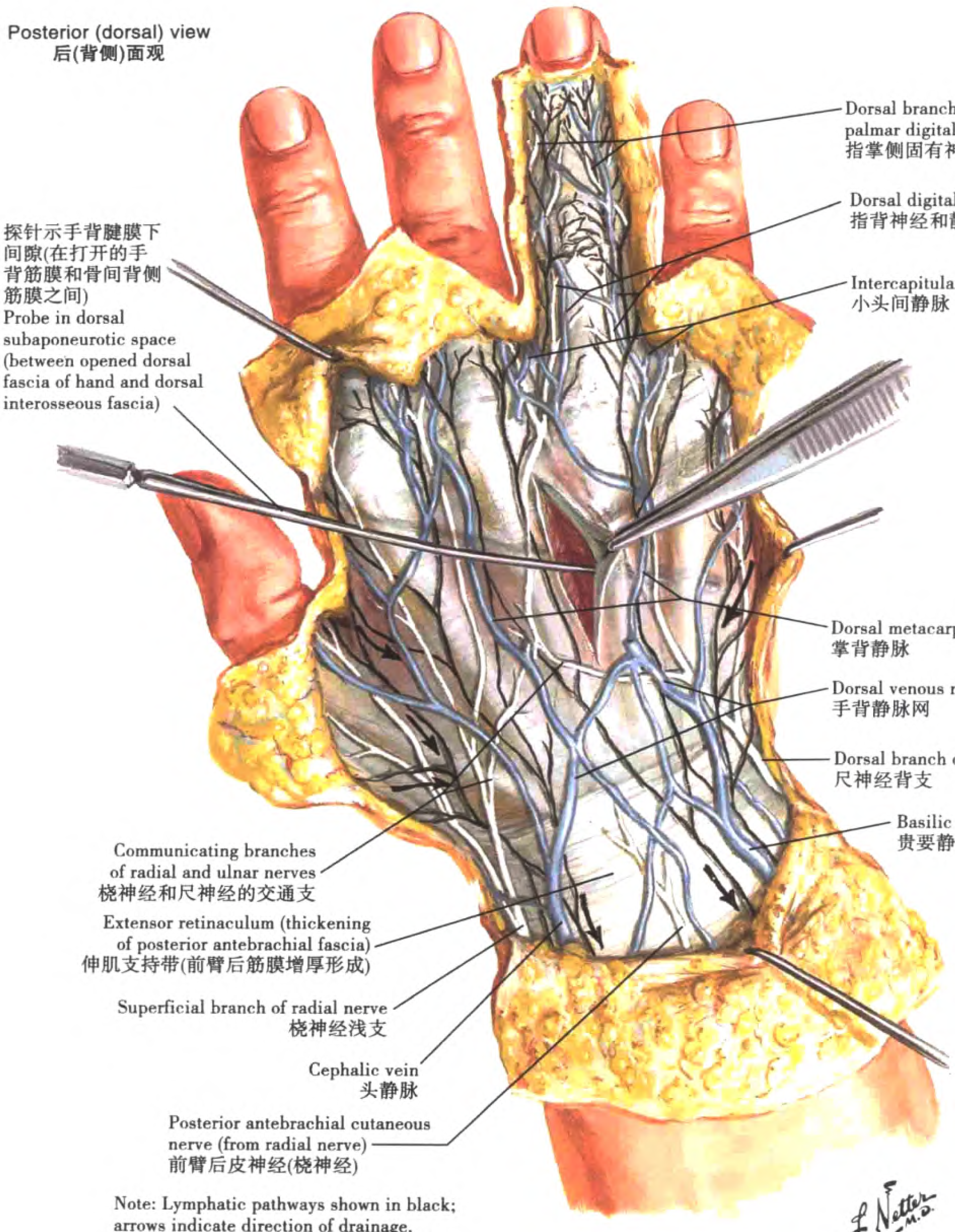

Branches of palmar digital nerves and arteries to dorsum of middle and distal phalanges
至中节和远节指骨的指掌侧神经和动脉的分支
Proper palmar digital nerves and arteries
指掌侧固有神经和动脉
Communicating branch of median nerve with ulnar nerve
正中神经和尺神经的交通支
Common palmar digital nerves and arteries
指掌侧总神经和动脉
Superficial palmar (arterial) arch
掌浅(动脉)弓
Common flexor sheath (ulnar bursa)
屈肌总腱鞘(尺侧囊)
Superficial branch of ulnar nerve
尺神经浅支
尺动脉掌深支和尺神经深支 Deep palmar branch of ulnar artery and deep branch of ulnar nerve
屈肌支持带(掌横韧带) Flexor retinaculum (transverse carpal ligament)
腕掌侧韧带(与伸肌支持带相延续) Palmar carpal ligament (continuous with extensor retinaculum)
尺动脉和尺神经 Ulnar artery and nerve
Flexor tendons,synovial and fibrous sheaths 屈肌腱、滑膜鞘和纤维鞘
Branches of median nerve to 1st and 2nd lumbrical muscles 正中神经至第1和第2蚓状肌的分支
Adductor pollicis muscle 拇收肌
Proper palmar digital nerves and arteries to thumb 拇指指掌侧固有神经和动脉
Flexor pollicis brevis muscle 拇短屈肌
Recurrent (motor) branch of median nerve to thenar muscles
正中神经返支(运动)至鱼际肌群
Opponens pollicis muscle 拇对掌肌
Abductor pollicis brevis muscle (cut) 拇短展肌
Superficial palmar branch of radial artery 桡动脉掌浅支
Median nerve and palmar branch 正中神经及其掌支
Radial artery 桡动脉
尺神经的指掌侧固有神经 Proper palmar digital nerves of ulnar nerve
尺神经与正中神经的交通支 Communicating branch of median nerve with ulnar nerve
至第3和第4蚓状肌、所有骨间肌、拇收肌和拇短屈肌深侧头的尺神经掌深支 Deep palmar branch of ulnar nerve to 3rd and 4th lumbrical,all interosseous, adductor pollicis,and deep head of flexor pollicis brevis muscles
钩骨钩 Hook of hamate
Superficial branch of ulnar nerve
尺神经浅支
Branches to hypothenar muscles
至小鱼际肌群的分支
尺动脉掌深支和尺神经深支 Deep palmar branch of ulnar artery and deep branch of ulnar nerve
豌豆骨 Pisiform
Palmar carpal branches of radial and ulnar arteries
桡动脉和尺动脉的腕掌支
Ulnar artery and nerve
尺动脉和尺神经
Proper palmar digital nerves of median nerve
正中神经的指掌侧固有神经
Proper palmar digital arteries 指掌侧固有动脉
Common palmar digital arteries 指掌侧总动脉
Proper palmar metacarpal arteries 掌心动脉
Radialis indicis artery 示指桡侧动脉
Proper digital arteries and nerves of thumb
拇指固有动脉和神经
Princeps pollicis artery 拇主要动脉
Deep palmar (arterial) arch and deep branch of ulnar nerve
掌深(动脉)弓和尺神经深支
Superficial palmar branch of radial artery 桡动脉掌浅支
Median nerve
正中神经
Radial artery
桡动脉
F. Netter M.D.
C. Machado M.D.

Lateral (radial) view
外(桡)侧面观

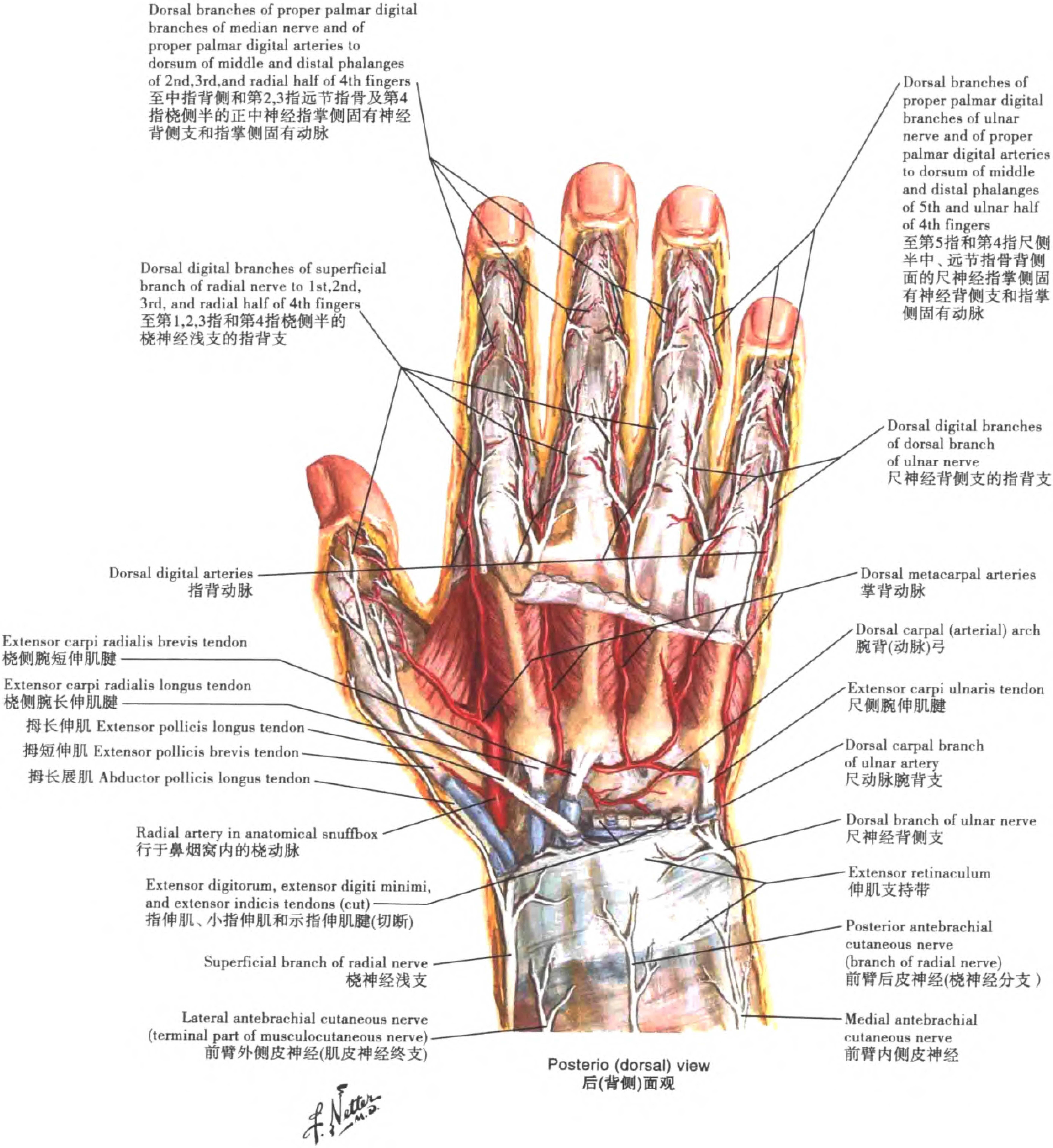


*Snuffbox contents (superficial to deep)
Radial nerve (dorsal digital branch)
Cephalic vein branches (cut away)
Radial artery and branches
Scaphoid bone

鼻烟窝*内容物(由浅至深)
桡神经(指背支)
头静脉分支(切除)
桡动脉及其分支
手舟骨

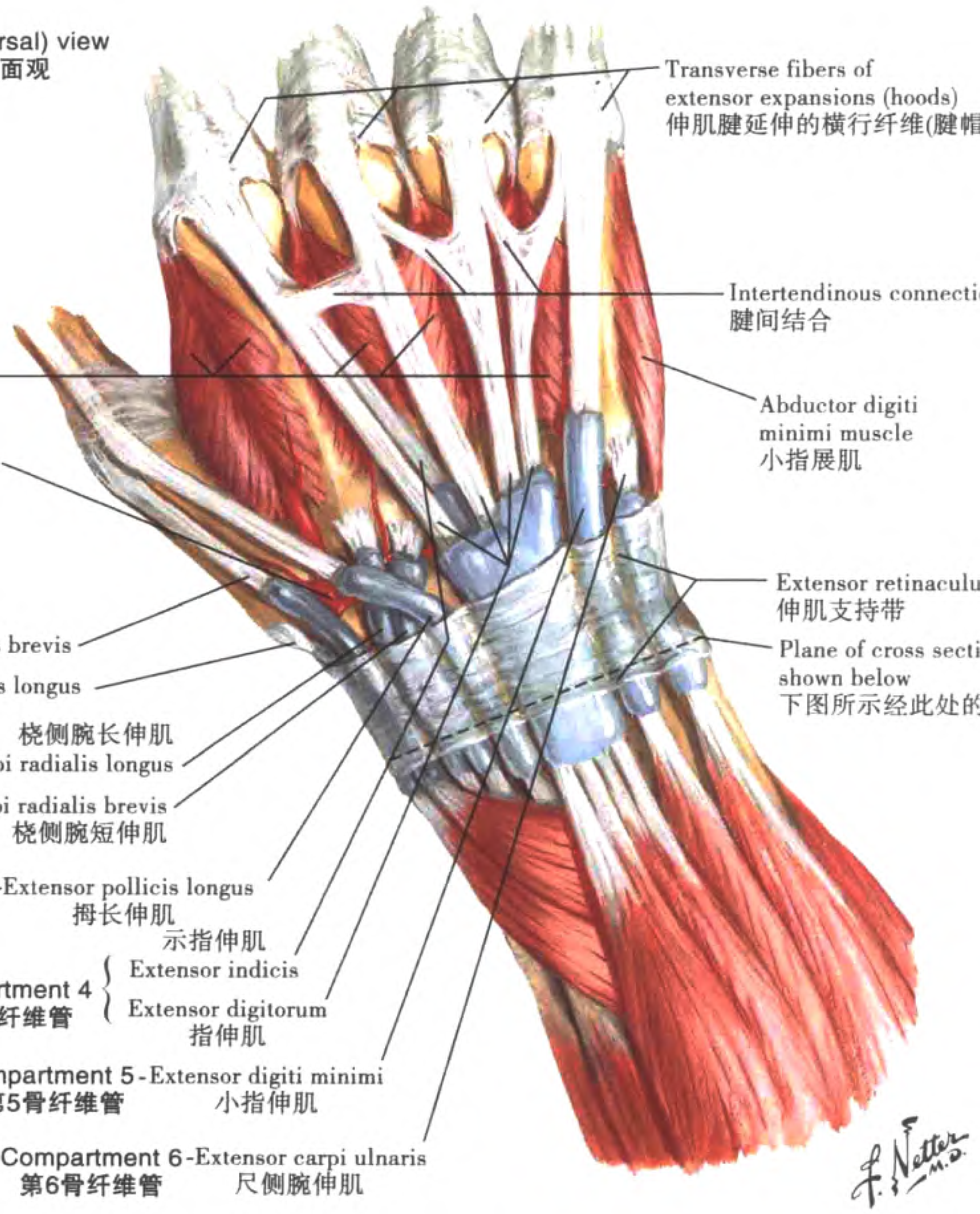


Note: Lymphatic pathways shown in black; arrows indicate direction of drainage.
注：黑色示淋巴管，箭头示淋巴引流方向

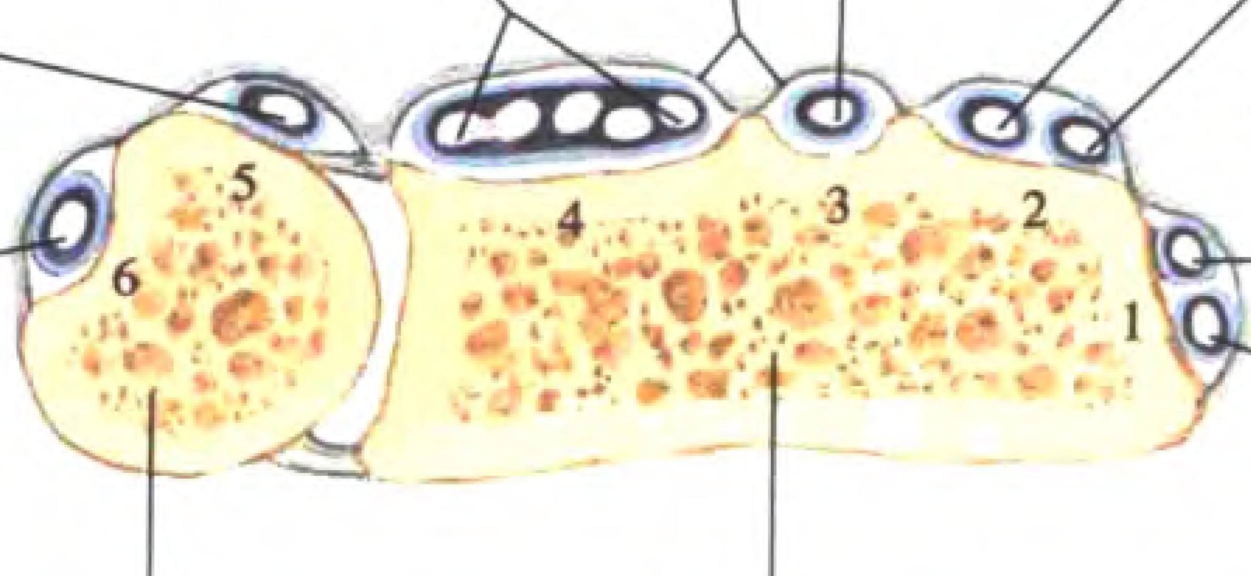


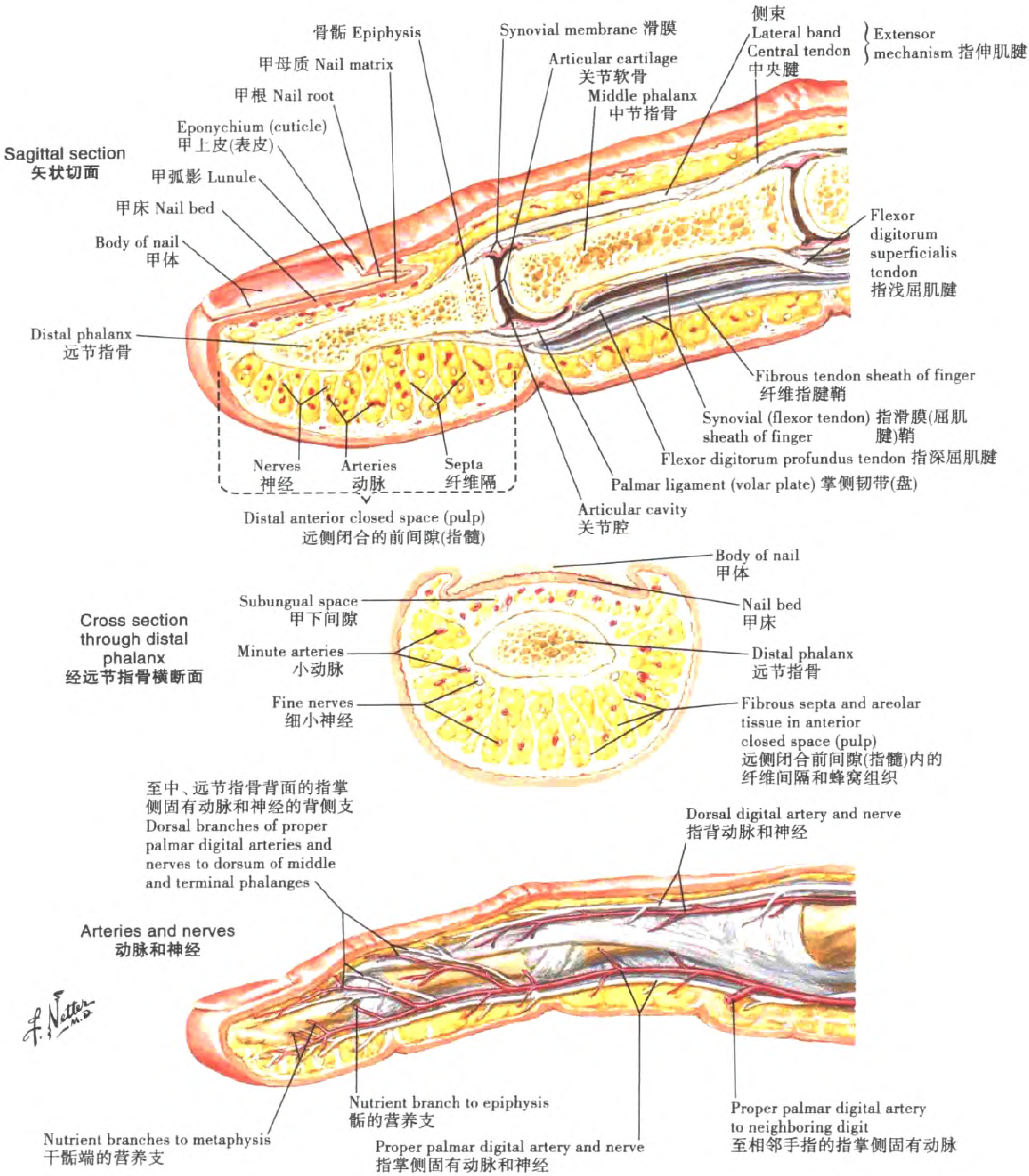
Posterio (dorsal) view
后(背侧)面观

参见图 430,431



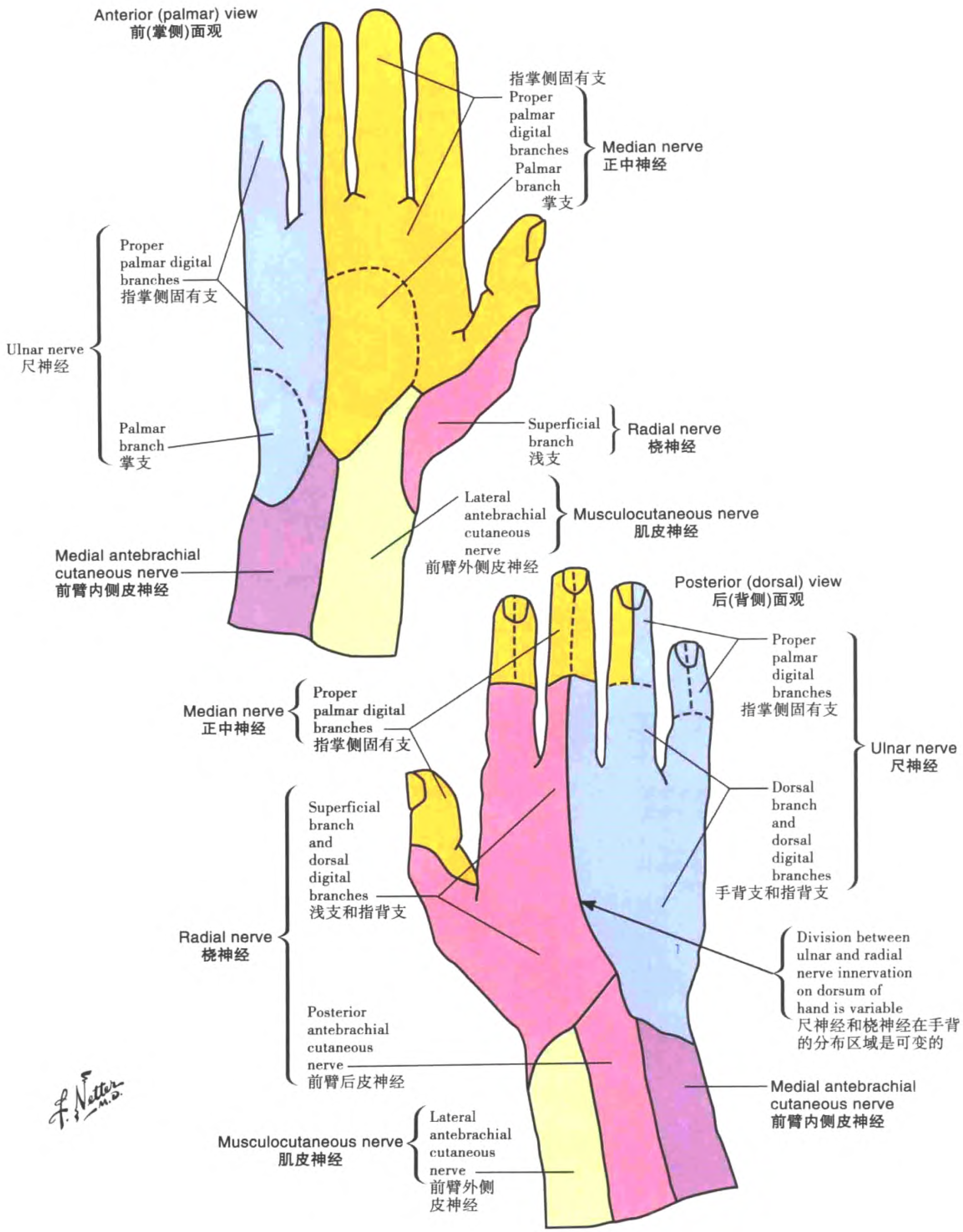
Cross section of most distal portion of forearm 前臂最远端的横断面

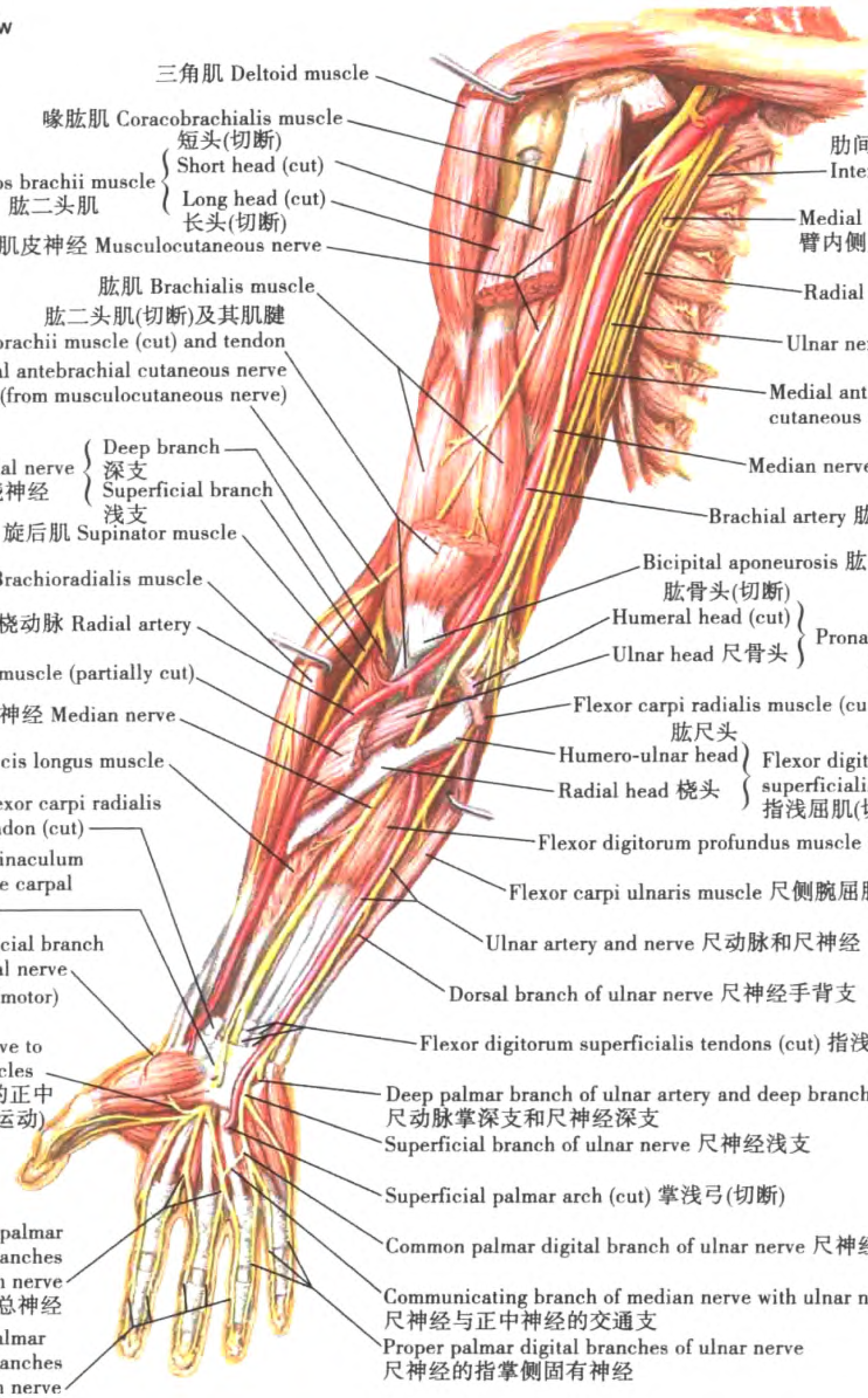



Sagittal section
矢状切面
骨骺 Epiphysis
甲母质 Nail matrix
甲根 Nail root
Eponychium (cuticle)
甲上皮(表皮)
甲弧影 Lunule
甲床 Nail bed
Body of nail
甲体
Distal phalanx
远节指骨
Synovial membrane 滑膜
Articular cartilage
关节软骨
Middle phalanx
中节指骨
侧束
Lateral band
Central tendon
中央腱
Extensor mechanism 指伸肌腱
Flexor digitorum superficialis tendon
指浅屈肌腱
Fibrous tendon sheath of finger
纤维指腱鞘
Synovial (flexor tendon) sheath of finger
指滑膜(屈肌腱)鞘
Flexor digitorum profundus tendon 指深屈肌腱
Palmar ligament (volar plate) 掌侧韧带(盘)
Articular cavity
关节腔
Nerves
神经
Arteries
动脉
Septa
纤维隔
Distal anterior closed space (pulp)
远侧闭合的前间隙(指髓)
Cross section through distal phalanx
经远节指骨横断面
Body of nail
甲体
Subungual space
甲下间隙
Nail bed
甲床
Minute arteries
小动脉
Distal phalanx
远节指骨
Fine nerves
细小神经
Fibrous septa and areolar tissue in anterior closed space (pulp)
远侧闭合前间隙(指髓)内的纤维间隔和蜂窝组织
至中、远节指骨背面的指掌侧固有动脉和神经的背侧支
Dorsal branches of proper palmar digital arteries and nerves to dorsum of middle and terminal phalanges
Dorsal digital artery and nerve
指背动脉和神经
Arteries and nerves
动脉和神经
Nutrient branch to epiphysis
骺的营养支
Nutrient branches to metaphysis
干骺端的营养支
Proper palmar digital artery and nerve
指掌侧固有动脉和神经
Proper palmar digital artery to neighboring digit
至相邻手指的指掌侧固有动脉
F. Netter M.D.

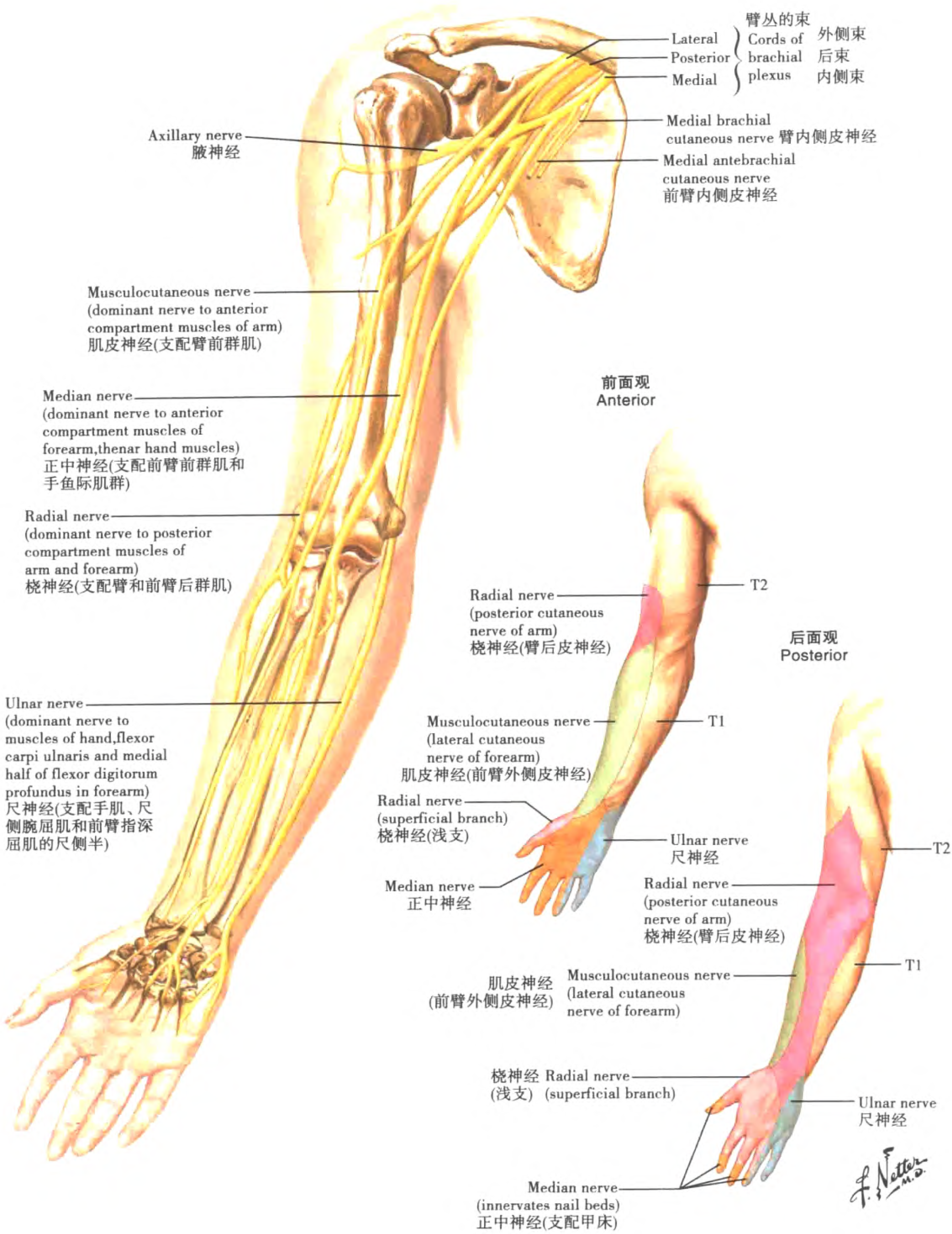
腕和手的皮神经支配

参见图 400,449



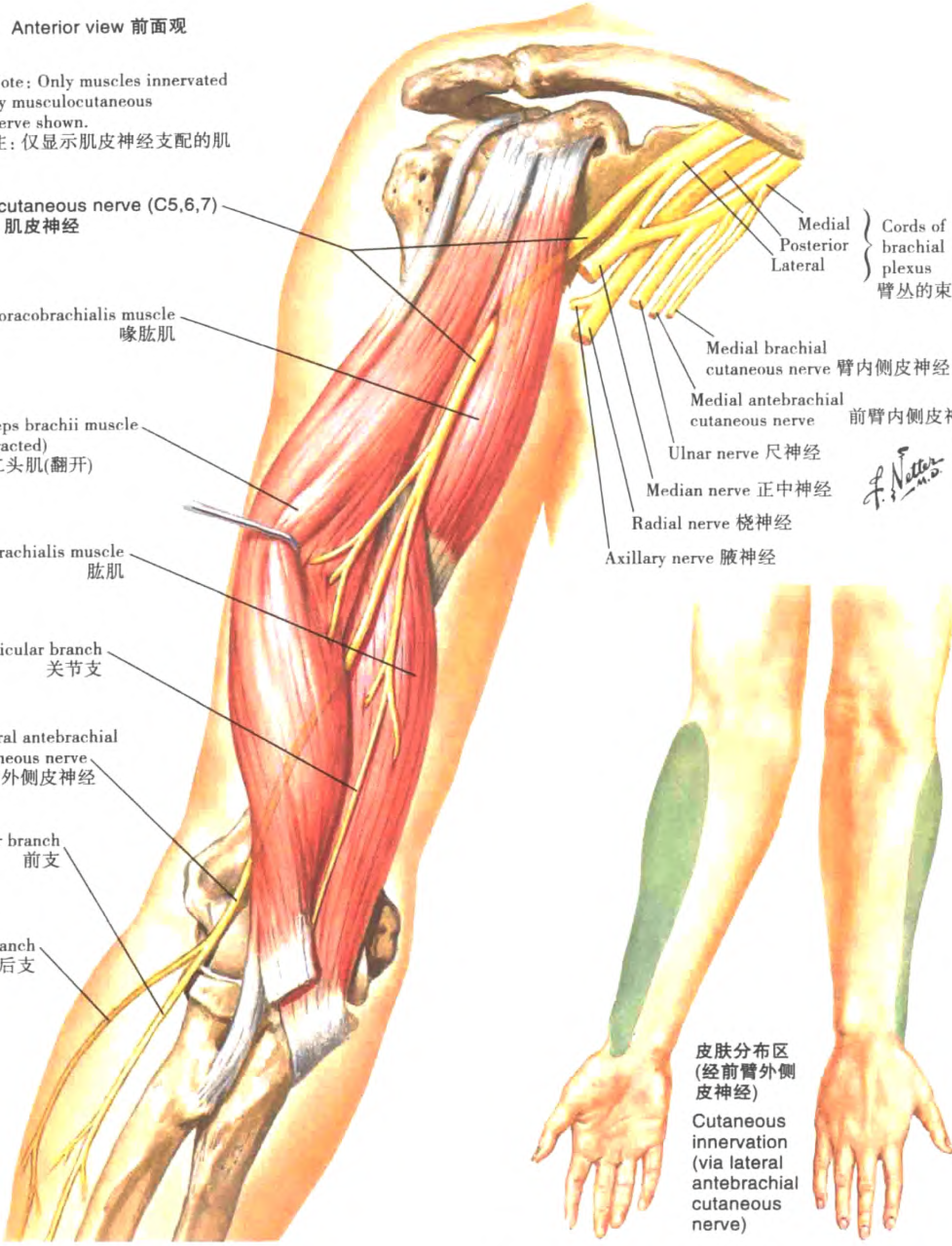

Anterior view
前面观
三角肌 Deltoid muscle
喙肱肌 Coracobrachialis muscle
Biceps brachii muscle 肱二头肌
短头(切断) Short head (cut)
Long head (cut) 长头(切断)
肌皮神经 Musculocutaneous nerve
肱肌 Brachialis muscle
肱二头肌(切断)及其肌腱 Biceps brachii muscle (cut) and tendon
前臂外侧皮神经(肌皮神经) Lateral antebrachial cutaneous nerve (from musculocutaneous nerve)
Radial nerve 桡神经
Deep branch 深支
Superficial branch 浅支
旋后肌 Supinator muscle
肱桡肌 Brachioradialis muscle
桡动脉 Radial artery
旋前圆肌 Pronator teres muscle (partially cut) (部分切除)
正中神经 Median nerve
拇长屈肌 Flexor pollicis longus muscle
桡侧腕屈肌腱 Flexor carpi radialis (切断) tendon (cut)
屈肌支持带(腕横韧带) Flexor retinaculum (transverse carpal ligament)
Superficial branch 桡神经浅支 of radial nerve
Recurrent (motor) branch of median nerve to thenar muscles 至鱼际肌的正中神经返支(运动)
Common palmar digital branches of median nerve 正中神经的指掌侧总神经
Proper palmar digital branches of median nerve 正中神经的指掌侧固有神经
肋间臂神经 Intercostobrachial nerve
Medial brachial cutaneous nerve 臂内侧皮神经
Radial nerve 桡神经
Ulnar nerve 尺神经
Medial antebrachial cutaneous nerve 前臂内侧皮神经
Median nerve 正中神经
Brachial artery 肱动脉
Bicipital aponeurosis 肱二头肌腱膜
Pronator teres muscle 旋前圆肌
肱骨头(切断) Humeral head (cut)
Ulnar head 尺骨头
Flexor carpi radialis muscle (cut) 桡侧腕屈肌(切断)
Flexor digitorum superficialis muscle (cut) 指浅屈肌(切断)
肱尺头 Humero-ulnar head
Radial head 桡头
Flexor digitorum profundus muscle 指深屈肌
Flexor carpi ulnaris muscle 尺侧腕屈肌
Ulnar artery and nerve 尺动脉和尺神经
Dorsal branch of ulnar nerve 尺神经手背支
Flexor digitorum superficialis tendons (cut) 指浅屈肌腱(切断)
Deep palmar branch of ulnar artery and deep branch of ulnar nerve 尺动脉掌深支和尺神经深支
Superficial branch of ulnar nerve 尺神经浅支
Superficial palmar arch (cut) 掌浅弓(切断)
Common palmar digital branch of ulnar nerve 尺神经的指掌侧总神经
Communicating branch of median nerve with ulnar nerve 尺神经与正中神经的交通支
Proper palmar digital branches of ulnar nerve 尺神经的指掌侧固有神经
F. Netter M.D.

参见图 400,416

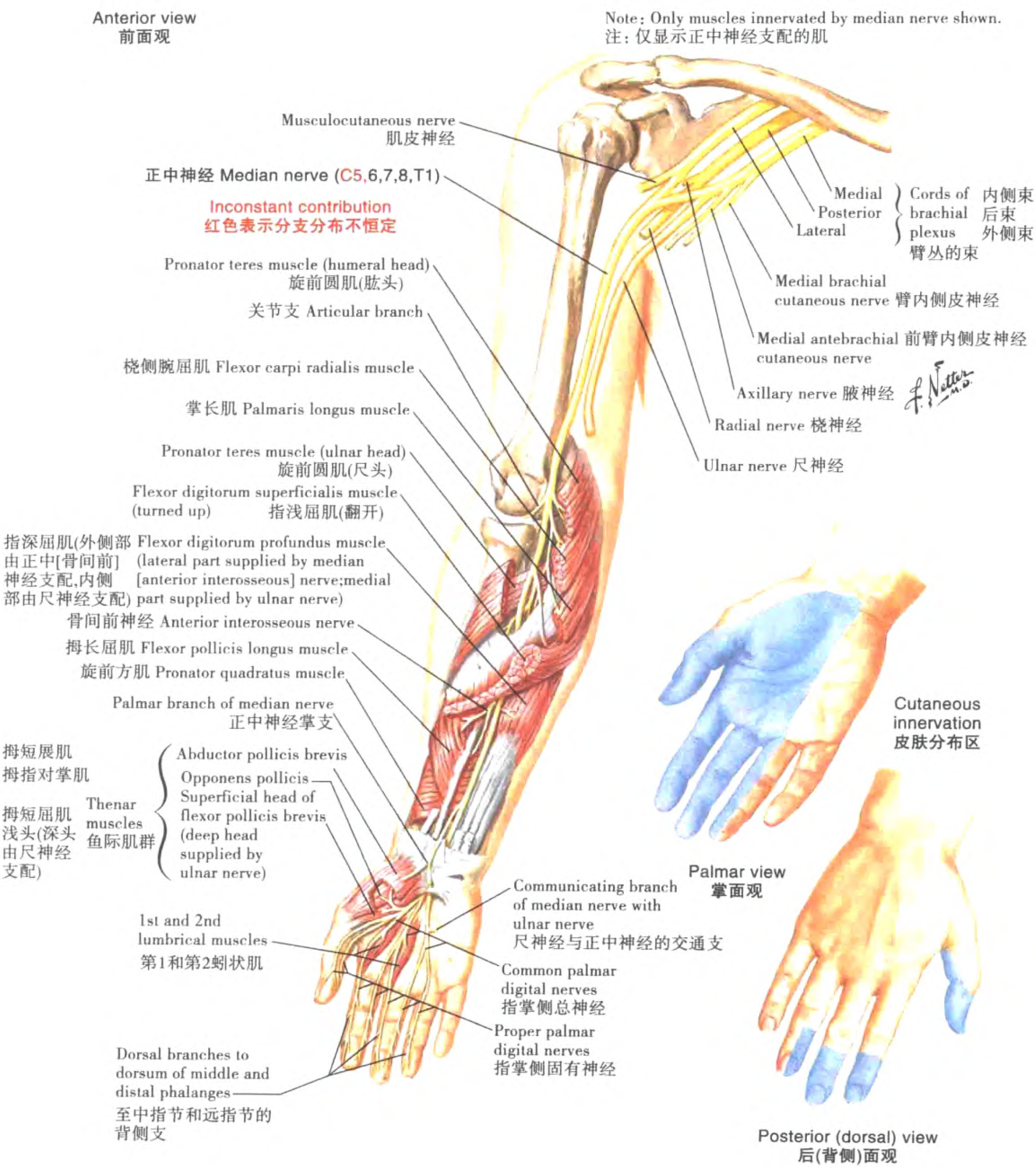


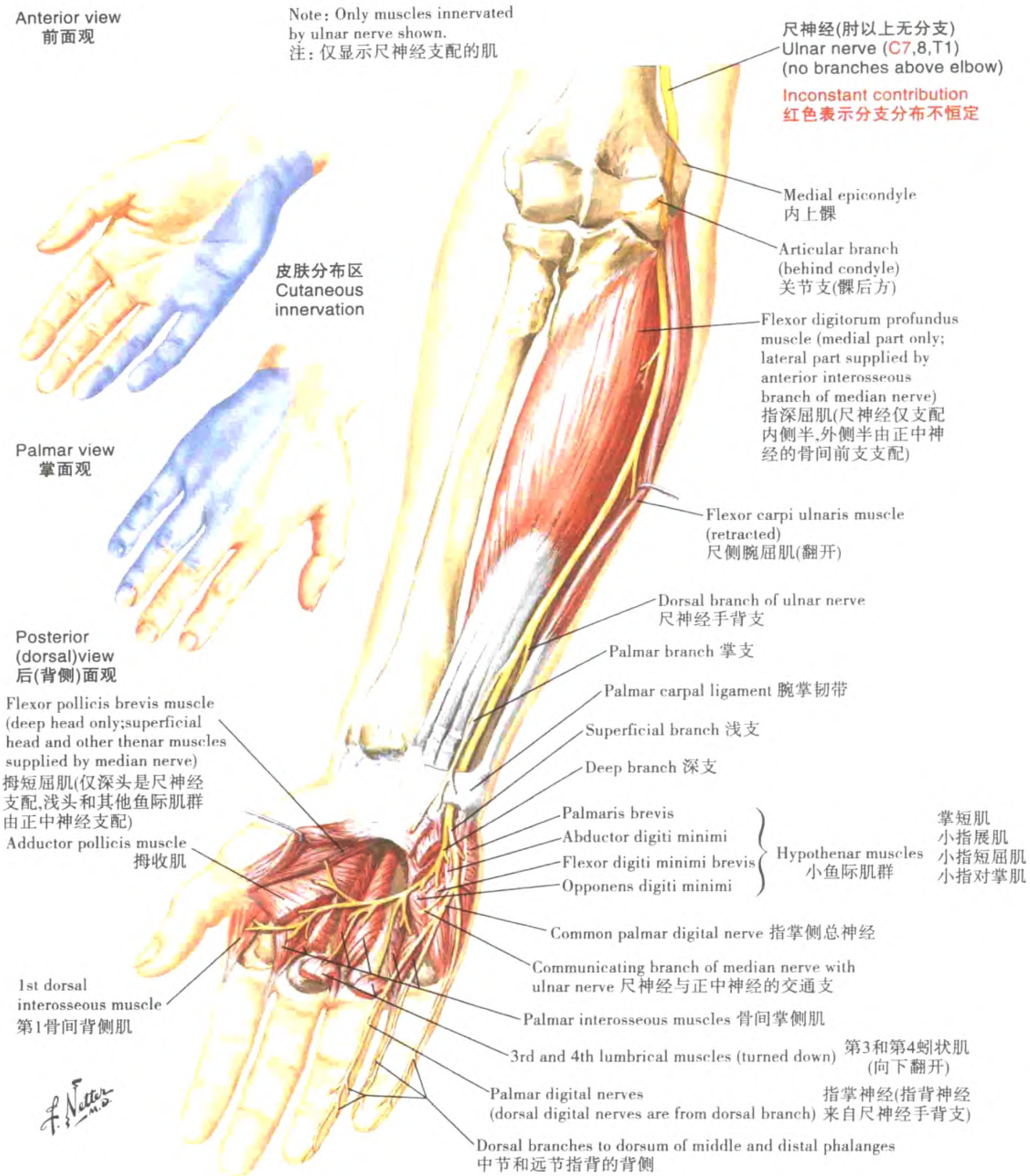
臂丛的束
Lateral 外侧束
Posterior 后束
Medial 内侧束
Cords of brachial plexus
Axillary nerve
腋神经
Medial brachial cutaneous nerve 臂内侧皮神经
Medial antebrachial cutaneous nerve
前臂内侧皮神经
Musculocutaneous nerve (dominant nerve to anterior compartment muscles of arm)
肌皮神经(支配臂前群肌)
Median nerve (dominant nerve to anterior compartment muscles of forearm,thenar hand muscles)
正中神经(支配前臂前群肌和手鱼际肌群)
Radial nerve (dominant nerve to posterior compartment muscles of arm and forearm)
桡神经(支配臂和前臂后群肌)
Ulnar nerve (dominant nerve to muscles of hand,flexor carpi ulnaris and medial half of flexor digitorum profundus in forearm)
尺神经(支配手肌、尺侧腕屈肌和前臂指深屈肌的尺侧半)
前面观
Anterior
Radial nerve (posterior cutaneous nerve of arm)
桡神经(臂后皮神经)
T2
T1
Musculocutaneous nerve (lateral cutaneous nerve of forearm)
肌皮神经(前臂外侧皮神经)
Radial nerve (superficial branch)
桡神经(浅支)
Ulnar nerve
尺神经
Median nerve
正中神经
后面观
Posterior
T2
Radial nerve (posterior cutaneous nerve of arm)
桡神经(臂后皮神经)
T1
肌皮神经(前臂外侧皮神经)
Musculocutaneous nerve (lateral cutaneous nerve of forearm)
桡神经(浅支) Radial nerve (superficial branch)
Ulnar nerve
尺神经
Median nerve (innervates nail beds)
正中神经(支配甲床)

参见图 417


Anterior view 前面观
Note: Only muscles innervated by musculocutaneous nerve shown.
注：仅显示肌皮神经支配的肌
Musculocutaneous nerve (C5,6,7)
肌皮神经
Coracobrachialis muscle
喙肱肌
Biceps brachii muscle (retracted)
肱二头肌(翻开)
Brachialis muscle
肱肌
Articular branch
关节支
Lateral antebrachial cutaneous nerve
前臂外侧皮神经
Anterior branch
前支
Posterior branch
后支
Medial
Posterior
Lateral
Cords of brachial plexus
内侧束
后束
外侧束
臂丛的束
Medial brachial cutaneous nerve 臂内侧皮神经
Medial antebrachial cutaneous nerve 前臂内侧皮神经
Ulnar nerve 尺神经
Median nerve 正中神经
Radial nerve 桡神经
Axillary nerve 腋神经
皮肤分布区
(经前臂外侧皮神经)
Cutaneous innervation (via lateral antebrachial cutaneous nerve)
Anterior (palmar) view
前(掌侧)面观
Posterior (dorsal) view
后(背侧)面观

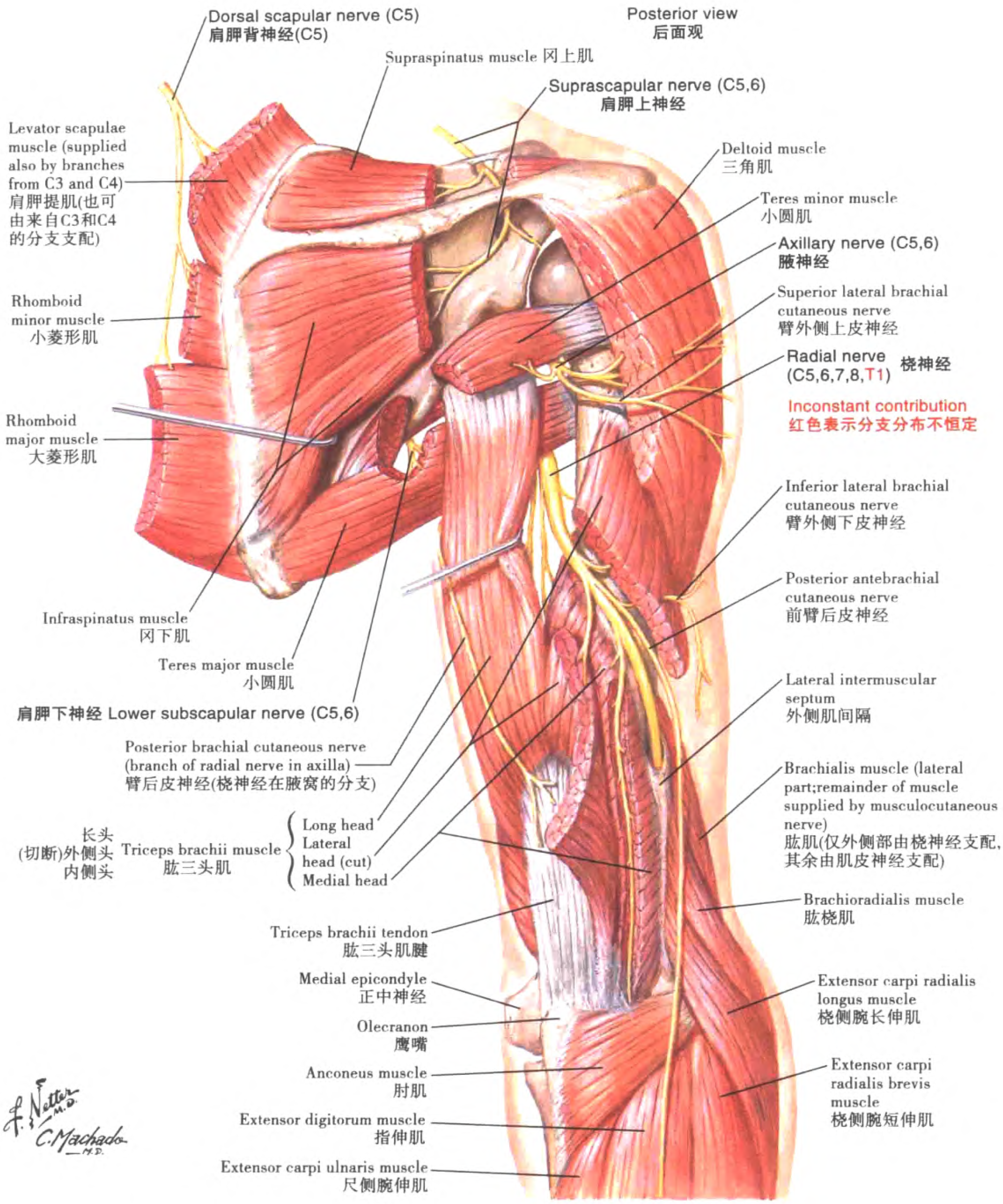
参见图 400,432,433



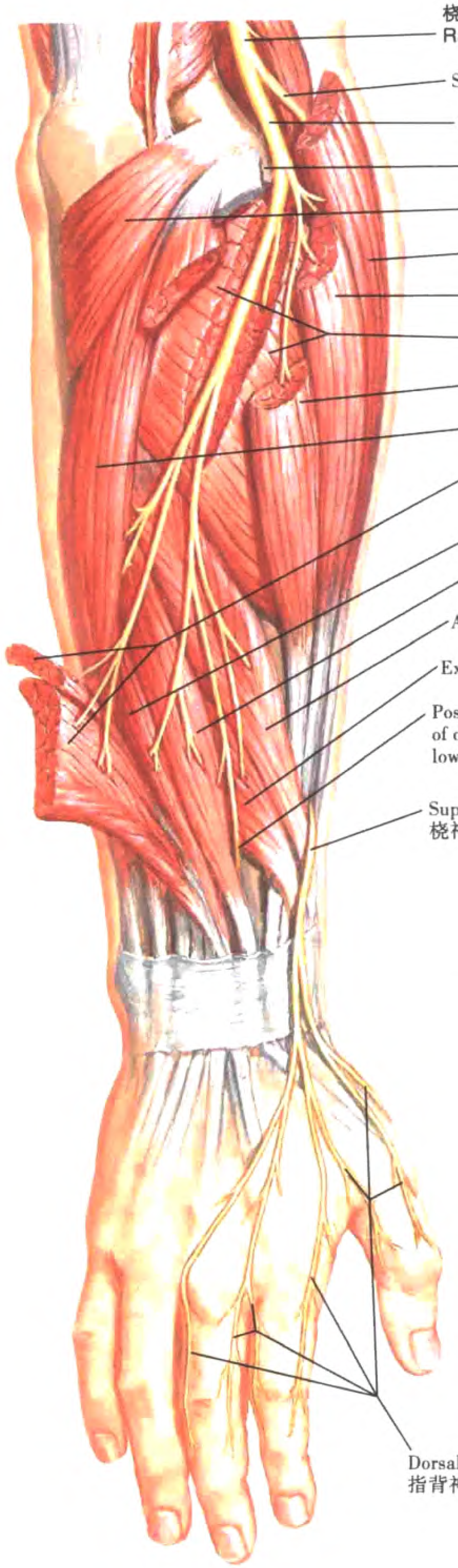

Anterior view
前面观
Note: Only muscles innervated by ulnar nerve shown.
注：仅显示尺神经支配的肌
尺神经(肘以上无分支)
Ulnar nerve (C7,8,T1)
(no branches above elbow)
Inconstant contribution
红色表示分支分布不恒定
Medial epicondyle
内上髁
Articular branch (behind condyle)
关节支(髁后方)
皮肤分布区
Cutaneous innervation
Flexor digitorum profundus muscle (medial part only; lateral part supplied by anterior interosseous branch of median nerve)
指深屈肌(尺神经仅支配内侧半,外侧半由正中神经的骨间前支支配)
Palmar view
掌面观
Flexor carpi ulnaris muscle (retracted)
尺侧腕屈肌(翻开)
Dorsal branch of ulnar nerve
尺神经手背支
Posterior (dorsal)view
后(背侧)面观
Palmar branch 掌支
Flexor pollicis brevis muscle (deep head only;superficial head and other thenar muscles supplied by median nerve)
拇短屈肌(仅深头是尺神经支配,浅头和其他鱼际肌群由正中神经支配)
Palmar carpal ligament 腕掌韧带
Superficial branch 浅支
Deep branch 深支
Adductor pollicis muscle
拇收肌
Palmaris brevis
Abductor digiti minimi
Flexor digiti minimi brevis
Opponens digiti minimi
Hypothenar muscles
小鱼际肌群
掌短肌
小指展肌
小指短屈肌
小指对掌肌
Common palmar digital nerve 指掌侧总神经
Communicating branch of median nerve with ulnar nerve 尺神经与正中神经的交通支
1st dorsal interosseous muscle
第1骨间背侧肌
Palmar interosseous muscles 骨间掌侧肌
3rd and 4th lumbrical muscles (turned down)
第3和第4蚓状肌(向下翻开)
Palmar digital nerves (dorsal digital nerves are from dorsal branch)
指掌神经(指背神经来自尺神经手背支)
Dorsal branches to dorsum of middle and distal phalanges
中节和远节指背的背侧
F. Netter M.D.

桡神经臂段和肩部背侧面的神经

参见图 413,418



参见图 430,454

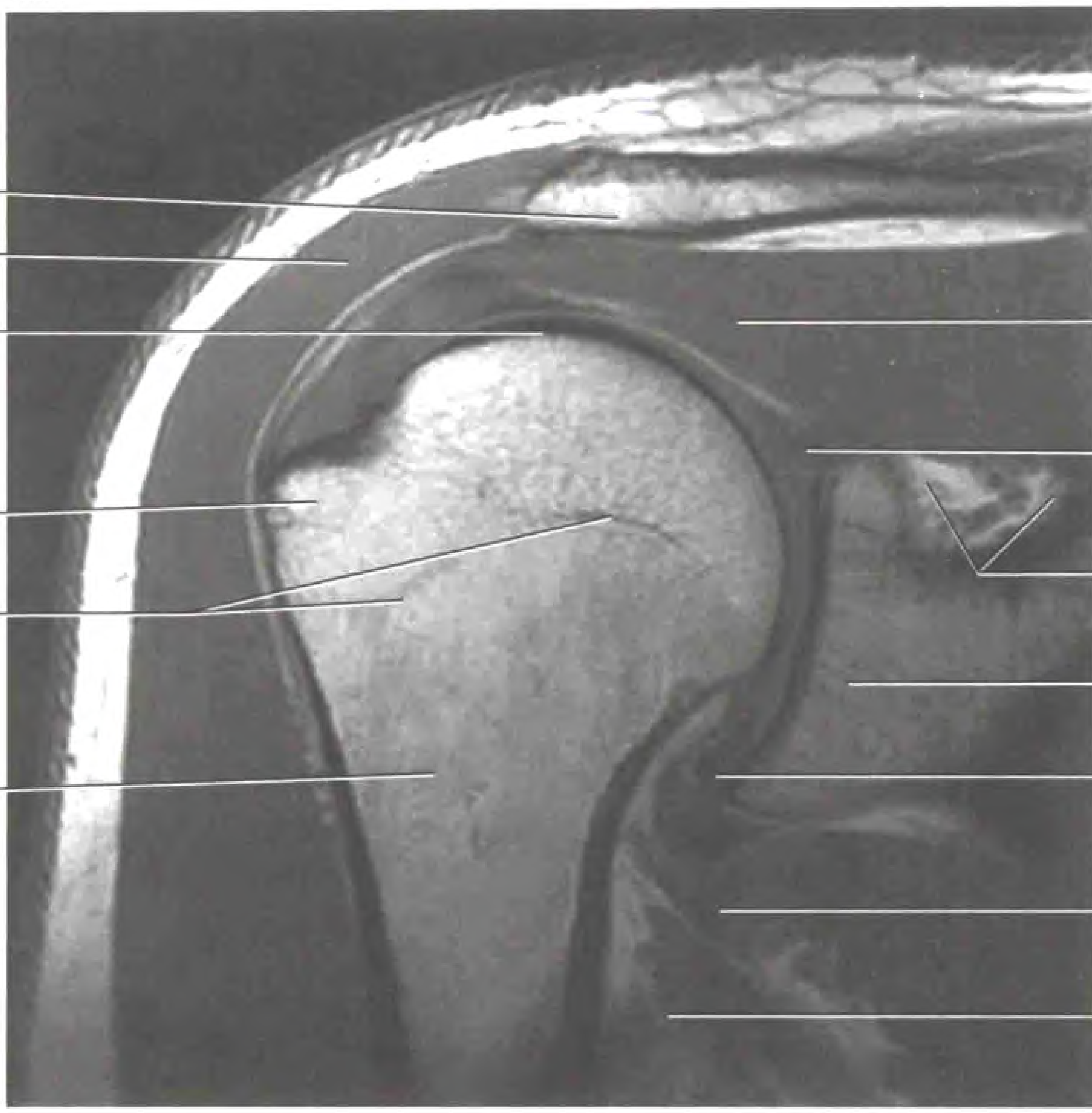




Cutaneous innervation from
radial and axillary nerves
桡神经和腋神经皮支的分支分布

参见图 408

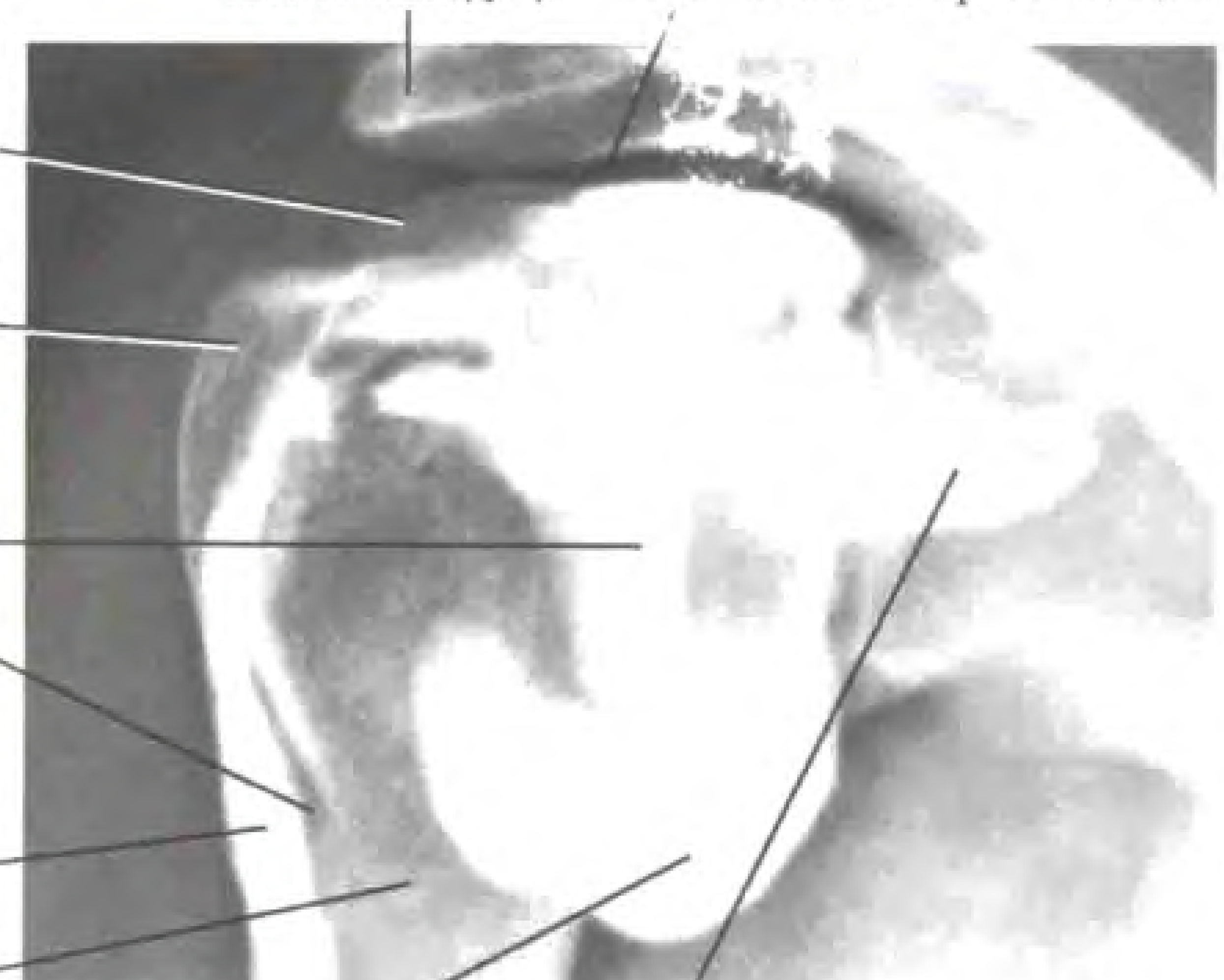
MRI



CT



关节造影：盂肱关节
Arthrogram: glenohumeral joint



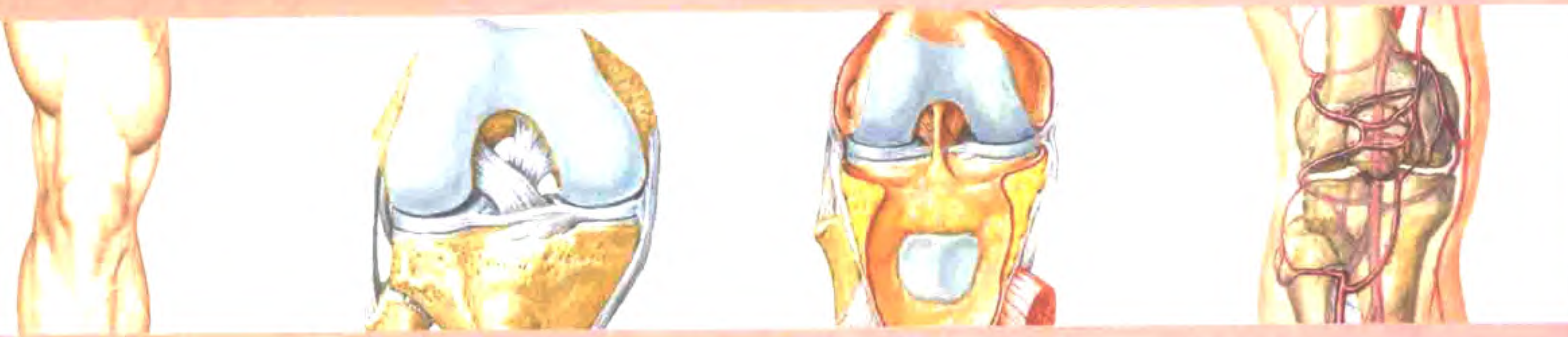
骨骼肌	近端附着点（起点）	远端附着点（止点）	神经支配	主要作用	动脉血供	肌群
小指展肌	豌豆骨和尺侧腕屈肌	小指近节指骨内侧和底部（第5指）	尺神经（深支）	外展小指	尺动脉掌深支	手
拇短展肌	屈肌支持带、手舟骨结节和大多角骨结节	拇指近节指骨外侧和底部	正中神经（返支）	外展拇指	桡动脉掌浅支	手
拇长展肌	尺骨、桡骨和骨间膜的后面	第1掌骨底	桡神经骨间后支	在腕掌关节外展拇指	骨间后动脉	前臂后群
拇收肌	斜头：第2和第3掌骨底，头状骨及其邻近的骨 横头：第3掌骨前面	拇指近节指骨底内侧	尺神经（深支）	内收拇指	掌深弓	手
肘肌	肱骨外上髁后面	鹰嘴侧面和尺骨近端后面	桡神经（C5～T1）	辅助肱三头肌伸肘，使尺骨旋前位时外展	肱深动脉	臂
肱二头肌	长头：肩胛骨盂上结节 短头：肩胛骨喙突	桡骨粗隆：前臂筋膜（经肱二头肌腱膜）	肌皮神经（C5、C6）	屈肘和旋后（肘关节）	肱动脉肌支	臂
肱肌	肱骨下半前面	冠突窝和尺骨粗隆	肌皮神经和桡神经（C7）	屈前臂（肘关节）	桡侧返动脉、肱动脉肌支	臂
肱桡肌	肱骨外上髁嵴近端2/3	桡骨远端底部外侧	桡神经	前臂中度旋前位时，屈前臂（屈）	桡侧返动脉	前臂后群
喙肱肌	肩胛骨喙突	肱骨中段1/3内面	肌皮神经	在肩关节屈和内收臂	肱动脉肌支	臂
三角肌	锁骨外三分之一前面，肩峰侧面，肩胛冈下缘	肱骨三角肌粗隆	腋神经	锁骨部：前屈、内旋臂 肩峰部：外展前臂超过15°（15°以内由冈上肌完成） 肩胛部：外展外旋臂	旋肱后动脉、胸肩峰动脉的三角肌支	肩
骨间背侧肌	掌骨骨间隙	2～4指近节指骨底，伸指肌腱扩张部（指背腱膜）	尺神经（深支）	沿手中轴（第3指）外展手指，屈掌指关节，伸指间关节	掌深弓	手
桡侧腕短伸肌	肱骨外上髁	第3掌骨底背面至第2掌骨	桡神经（深支）	伸腕，腕外展	桡动脉、桡侧返动脉	前臂后群
桡侧腕长伸肌	肱骨外上髁嵴的远端	第2掌骨底背面至第3掌骨	桡神经	伸腕，腕外展	桡动脉、桡侧返动脉	前臂后群

人在人体中，骨骼肌的脊神经支配、起止点和主要作用的变异十分常见。因此，各书中描述略有不同，这种解剖学上的变异是正常现象。

骨骼肌	近端附着点（起点）	远端附着点（止点）	神经支配	主要作用	动脉血供	肌群
尺侧腕伸肌	肱骨外上髁和尺骨后缘	第5掌骨底背侧	桡神经（骨间后神经）	伸腕，腕内收	骨间后动脉	前臂后群
小指伸肌	肱骨外上髁	第5指伸指肌腱扩张部（指背腱膜）	桡神经（骨间后神经）	伸小指	骨间后动脉	前臂后群
指伸肌	肱骨外上髁	第2~5指伸指肌腱扩张部（指背腱膜）	桡神经（骨间后神经）	伸第2~5指，协助伸腕	骨间后动脉	前臂后群
示指伸肌	尺骨后面和骨间膜	示指伸指肌腱扩张部（指背腱膜）	桡神经（骨间后神经）	伸示指，协助伸腕	骨间后动脉	前臂后群
拇短伸肌	桡骨后面和骨间膜	拇指近节指骨底背侧	桡神经（骨间后神经）	伸拇指近节指骨（腕掌关节）	骨间后动脉	前臂后群
拇长伸肌	尺骨中段1/3后面、骨间膜	拇指远节指骨底	桡神经（骨间后神经）	伸拇指远节指骨和掌指关节	骨间后动脉	前臂后群
桡侧腕屈肌	肱骨内上髁	第2掌骨基底	正中神经	屈腕，腕外展	桡动脉	前臂前群
尺侧腕屈肌	肱骨头：肱骨内上髁 尺骨头：鹰嘴和尺骨后缘	豌豆骨，钩骨钩，第5掌骨基底	尺神经	屈腕，腕内收	尺侧返动脉后支	前臂前群
小指短屈肌	屈肌支持带和钩骨钩	小指近节指骨底内侧	尺神经（深支）	屈小指近节指骨	尺动脉掌深支	手
指深屈肌	尺骨上3/4内面和前面，骨间膜	第2~5指远节指骨底	内侧：尺神经 外侧：正中神经	屈第2~5指远节指骨，协助屈腕	骨间前动脉，尺动脉肌支	前臂前群
指浅屈肌	肱尺头：肱骨内上髁和尺骨冠突 桡骨头：桡骨前上面	第2~5指中节指骨体	正中神经	屈第2~5指近节指骨和中节指骨，屈腕	尺动脉和桡动脉	前臂前群
拇短屈肌	屈肌支持带和大多角骨结节	拇指近节指骨底的外侧	正中神经（返支）	屈拇指近节指骨	桡动脉掌浅支	手
拇长屈肌	桡骨前面和骨间膜	拇指远节指骨底	正中神经（骨间前神经）	屈拇指	骨间前动脉	前臂前群
冈下肌	肩胛骨冈下窝及深筋膜	肱骨大结节中部	肩胛上神经	臂旋外（和小圆肌）	肩胛上动脉	肩

骨骼肌	近端附着点（起点）	远端附着点（止点）	神经支配	主要作用	动脉血供	肌群
背阔肌	第7胸椎到第5腰椎棘突、胸腰筋膜、髂嵴，后3肋	肱骨结节间沟底	胸背神经	外展，内收，内旋肱骨（肩关节）	胸肩峰动脉，第9、第10、第11肋间后动脉和肋下动脉的背穿支，上三条腰动脉	肩
肩胛提肌	第1到第4颈椎横突后侧结节	肩胛骨上角和内侧缘上部	第3、第4颈神经和肩胛背神经的腹侧支	上提肩胛骨，向内下旋关节盂	肩胛背动脉，颈横动脉、颈升动脉	背部浅层
（第1和第2）蚓状肌	外侧的两根指深屈肌腱	第4指和第5指伸指肌腱扩张部（指背腱膜）侧面	正中神经（手指支）	伸指间关节，屈掌指关节	掌浅弓和掌深弓	手
（第3和第4）蚓状肌	内侧的三根指深屈肌腱	第4指和第5指伸指肌腱扩张部（指背腱膜）侧面	尺神经（深支）	伸指间关节，屈掌指关节	掌浅弓和掌深弓	手
小指对掌肌	屈肌支持带和钩骨钩	第5掌骨掌面	尺神经（深支）	牵拉第5掌骨向前并旋转它，与拇指对掌	尺动脉掌深支	手
拇指对掌肌	屈肌支持带和大多角骨结节	第1掌骨外侧面	正中神经（返支）	向前牵拉第1掌骨并向内侧旋转	桡动脉掌浅支	手
骨间掌侧肌	2、4、5掌骨掌侧面	第2、4、5指近节指骨底和伸指肌腱扩张部（指背腱膜）	尺神经（深支）	沿手中轴（第3指）内收手指；屈掌指关节，伸指间关节	掌深弓	手
掌短肌	掌腱膜和屈肌支持带	掌内侧缘的皮肤	尺神经掌浅支	加深掌心，协助抓握	掌浅弓	手
掌长肌	肱骨内上髁	屈肌支持带远端，掌腱膜	正中神经	屈腕，紧张掌腱膜	尺侧返动脉后支	前臂前群
胸大肌	锁骨的内侧半、胸骨至第7肋及肋软骨、腹外斜肌腱膜	肱骨结节间沟外侧嵴	胸内、外侧神经	使臂前屈、内收和旋内	胸肩峰动脉胸肌支，胸廓内动脉的穿支	胸肌区/腋
胸小肌	第3～5肋上外面	肩胛骨喙突	胸内侧神经	向下牵拉肩胛骨侧角，伸展肩胛骨	胸肩峰动脉胸肌支和肋间胸外侧动脉	胸肌区/腋
旋前方肌	尺骨远端前面	桡骨远端前面	正中神经（骨间前神经）	前臂旋前	骨间前动脉	前臂前群
旋前圆肌	两个头：肱骨内上髁和尺骨冠突	桡骨中段内侧面	正中神经	前臂旋前，协助屈肘	尺侧返动脉前支	前臂前群

骨骼肌	近端附着点（起点）	远端附着点（止点）	神经支配	主要作用	动脉血供	肌群
大菱形肌	胸椎第2到第5棘突	肩胛骨内侧缘（肩胛冈底部下方）	肩胛背神经	固定肩胛至胸壁上，上提肩胛骨，使之向脊柱靠近，旋转肩胛骨以抑制关节盂	肩胛背动脉或颈横动脉的肩胛背侧支，上方的5或6支肋间后动脉背侧穿支	背部浅层
小菱形肌	项韧带、第7颈椎和第1胸椎棘突	肩胛骨内侧缘，肩胛冈水平	肩胛背神经	固定肩胛至胸壁上，上提肩胛骨，使之向脊柱靠近，旋转肩胛骨以稳定关节盂活动	肩胛背侧动脉或颈横动脉的分支。上五支或六支肋间后动脉背穿支	背部浅层
前锯肌	上8个或9个肋骨	肩胛骨内侧缘前面	胸长神经	伸展和外旋肩胛骨，提肩胛骨向前，使之紧贴胸壁	胸外侧动脉	肩
锁骨下肌	第1肋上缘及其软骨	锁骨中段下面	至锁骨下方的神经	固定并稳定锁骨活动	胸肩峰动脉锁骨支	肩
肩胛下肌	肩胛下窝	肱骨小结节	肩胛下神经上支和下支	使肩关节内旋内收，协助固定肱骨头于关节盂内	肩胛下动脉，胸外侧动脉	肩
旋后肌	肱骨外上髁，尺骨旋后肌嵴	桡骨近端1/3的外侧，后侧和前侧	桡神经（深支）	旋后前臂	桡侧返动脉，骨间后动脉	前臂后群
冈上肌	肩胛骨冈上窝及深筋膜	肱骨大结节上部	肩胛上神经	肩关节外展，组成肩袖肌群	肩胛上动脉	肩
大圆肌	肩胛下角背面	肱骨结节间沟内侧嵴	肩胛下神经下支	肩关节内旋、内收	旋肩胛动脉	肩
小圆肌	肩胛骨外侧缘上2/3背面	肱骨大结节下部	腋神经	臂旋外	旋肩胛动脉	肩
斜方肌	上项线，枕外隆凸，项韧带，第7颈椎和全部胸椎的棘突	锁骨外侧1/3，肩峰和肩胛冈	副神经（第11对脑神经）	使肩胛骨向脊柱靠近，上提，旋转肩胛骨，下部肌束使肩胛骨下降	颈横动脉，骨间后动脉背侧穿支	背部浅层
肱三头肌	长头：肩胛骨盂下结节 外侧头：肱骨上方后面 内侧头：肱骨下2/3段内面和后面	尺骨鹰嘴后面	桡神经	伸前臂（肘关节），长头稳定外展时的肱骨头，使肩关节后伸及内收	肱深动脉分支	臂



7 下肢

Section

局部解剖

图 468

468 下肢:表面解剖

皮肤浅层解剖

图 469-472

469 下肢皮肤的节段性支配
470 下肢皮神经和浅静脉:前面观
471 下肢皮神经和浅静脉:后面观
472 下肢淋巴管和淋巴结

髋和大腿

图 473-492

473 髋骨
474 髋关节
475 髋关节:前后位 X 线成像
476 股骨
477 髋肌和大腿肌附着区:前面观
478 髋肌和大腿肌附着区:后面观
479 大腿肌:前面观
480 大腿肌:前面观(续)
481 髋肌和大腿肌:外侧面观
482 髋肌和大腿肌:后面观
483 腰大肌和髂肌

下肢

484 腰骶丛和尾丛
485 腰丛
486 骶丛和尾丛
487 大腿的动脉和神经:前面观
488 大腿的动脉和神经:前面观(续)
489 大腿的动脉和神经:后面观
490 髋和臀部的神经
491 股骨头和股骨颈的动脉
492 大腿:连续横断面

膝
图 493-499

493 膝:外侧面和内侧面观
494 膝:前面观
495 膝:下面观
496 膝:交叉韧带和侧副韧带
497 膝:前后位 X 线成像
498 膝:后面和矢状面观
499 股部和膝的动脉:示意图

小腿
图 500-510

500 胫骨和腓骨
501 胫骨和腓骨(续)
502 小腿肌的附着区
503 小腿肌(浅层解剖):后面观
504 小腿肌(中层解剖):后面观
505 小腿肌(深层解剖):后面观
506 小腿肌:外侧面观
507 小腿肌(浅层解剖):前面观
508 小腿肌(深层解剖):前面观
509 膝、小腿和足的动脉
510 小腿:横断面和股筋膜鞘

踝与足
图 511-524

511 足骨
512 足骨(续)
513 跟骨
514 踝部的韧带和肌腱
515 足部的韧带和肌腱:足底面观
516 踝部的腱鞘
517 足背肌:浅层解剖
518 足背:深层解剖
519 足底:浅层解剖
520 足底肌:第 1 层
521 足底肌:第 2 层
522 足底肌:第 3 层
523 骨间肌和足的深动脉
524 足骨间肌

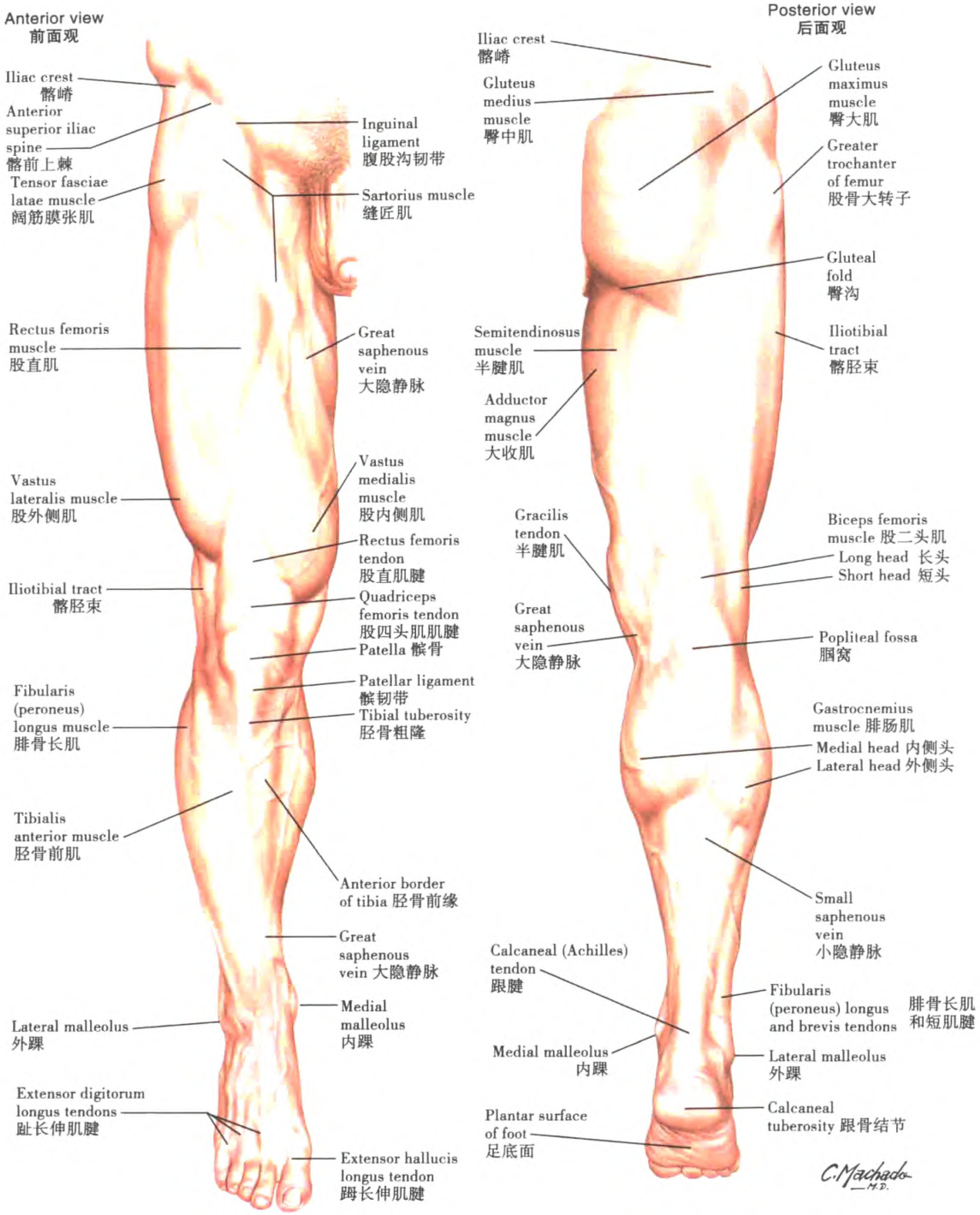
神经与血管
图 525-529

525 股神经和股外侧皮神经
526 闭孔神经
527 坐骨神经和股后皮神经
528 胫神经
529 腓总神经

局部扫描成像
图 530-531

530 髋部 X 线成像、髋关节成像与 MRI
531 踝部:X 线成像

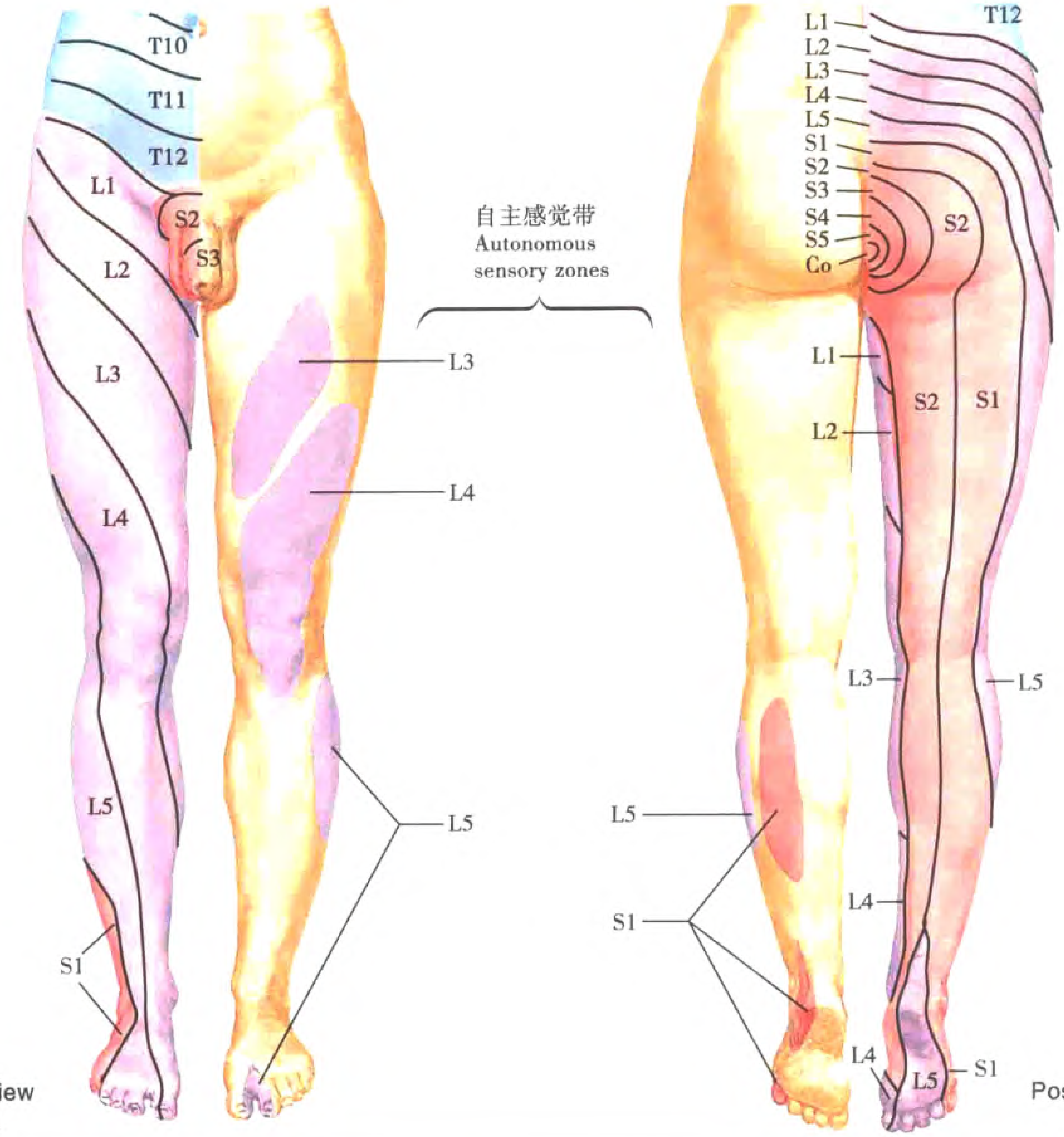
肌肉总表



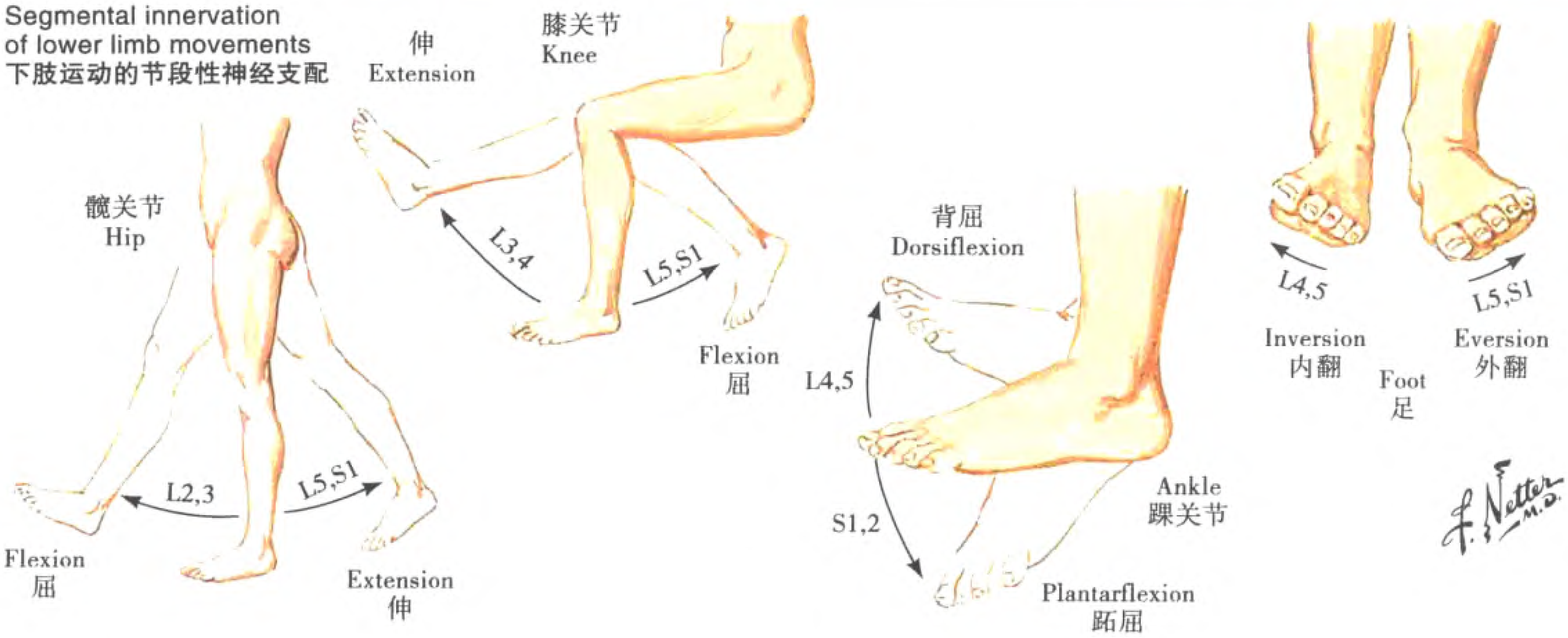
Anterior view
前面观
Iliac crest
髂嵴
Anterior superior iliac spine
髂前上棘
Tensor fasciae latae muscle
阔筋膜张肌
Inguinal ligament
腹股沟韧带
Sartorius muscle
缝匠肌
Rectus femoris muscle
股直肌
Great saphenous vein
大隐静脉
Vastus lateralis muscle
股外侧肌
Vastus medialis muscle
股内侧肌
Rectus femoris tendon
股直肌腱
Iliotibial tract
髂胫束
Quadriceps femoris tendon
股四头肌肌腱
Patella 髌骨
Patellar ligament
髌韧带
Fibularis (peroneus) longus muscle
腓骨长肌
Tibial tuberosity
胫骨粗隆
Tibialis anterior muscle
胫骨前肌
Anterior border of tibia 胫骨前缘
Great saphenous vein 大隐静脉
Medial malleolus
内踝
Lateral malleolus
外踝
Extensor digitorum longus tendons
趾长伸肌腱
Extensor hallucis longus tendon
踇长伸肌腱
Posterior view
后面观
Iliac crest
髂嵴
Gluteus medius muscle
臀中肌
Gluteus maximus muscle
臀大肌
Greater trochanter of femur
股骨大转子
Gluteal fold
臀沟
Semitendinosus muscle
半腱肌
Iliotibial tract
髂胫束
Adductor magnus muscle
大收肌
Gracilis tendon
半腱肌
Biceps femoris muscle 股二头肌
Long head 长头
Short head 短头
Great saphenous vein
大隐静脉
Popliteal fossa
腘窝
Gastrocnemius muscle 腓肠肌
Medial head 内侧头
Lateral head 外侧头
Small saphenous vein
小隐静脉
Calcaneal (Achilles) tendon
跟腱
Fibularis (peroneus) longus and brevis tendons
腓骨长肌和短肌腱
Medial malleolus
内踝
Lateral malleolus
外踝
Calcaneal tuberosity 跟骨结节
Plantar surface of foot
足底面
C.Machado M.D.

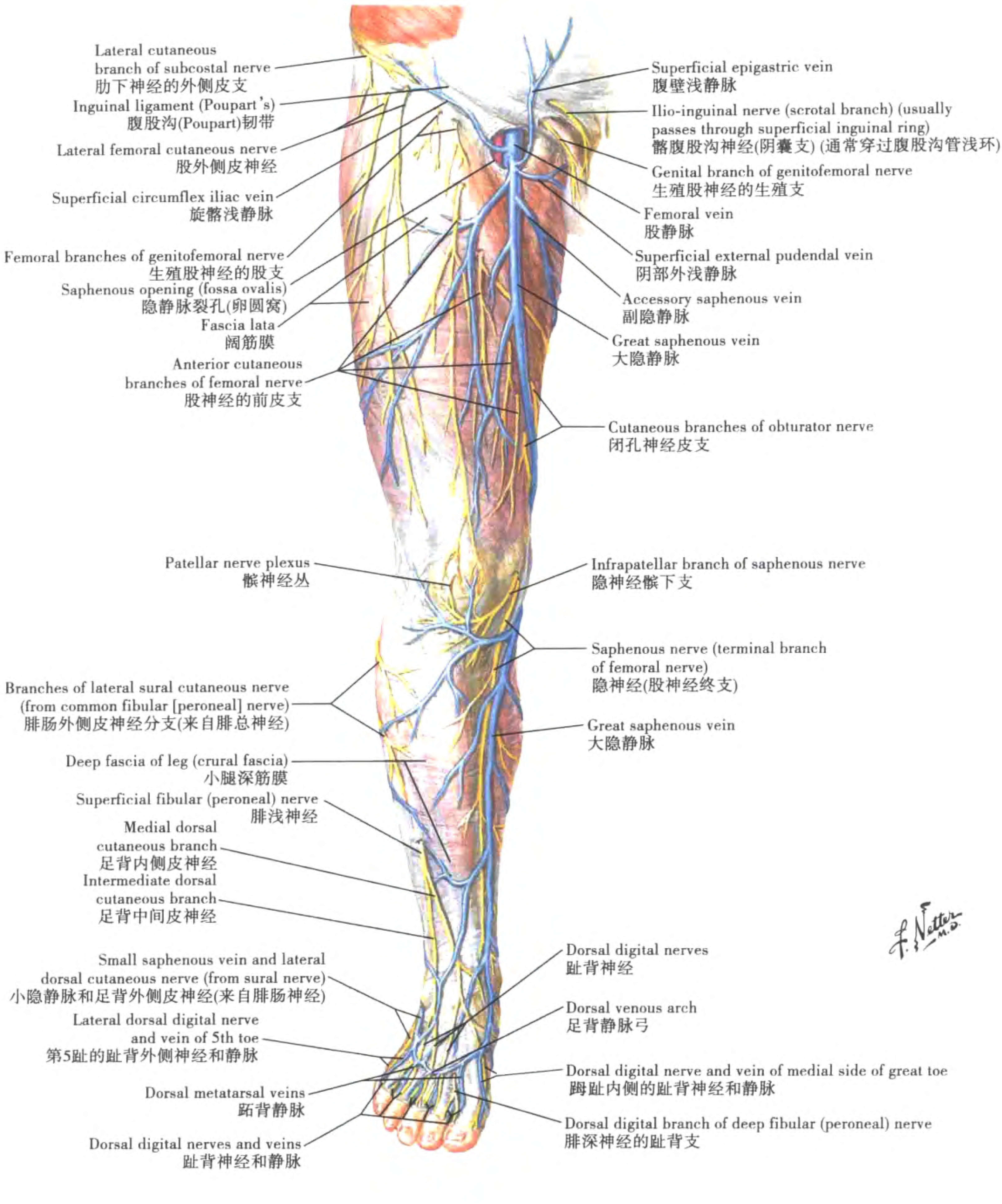
参见图 162

Schematic demarcation of dermatomes (according to Keegan and Garrett) shown as distinct segments. There is actually considerable overlap between any two adjacent dermatomes.
皮区分布示意图显示明显节段性(参考来源Keegan和Garret,任何两个相邻节段实质上均有重叠。)

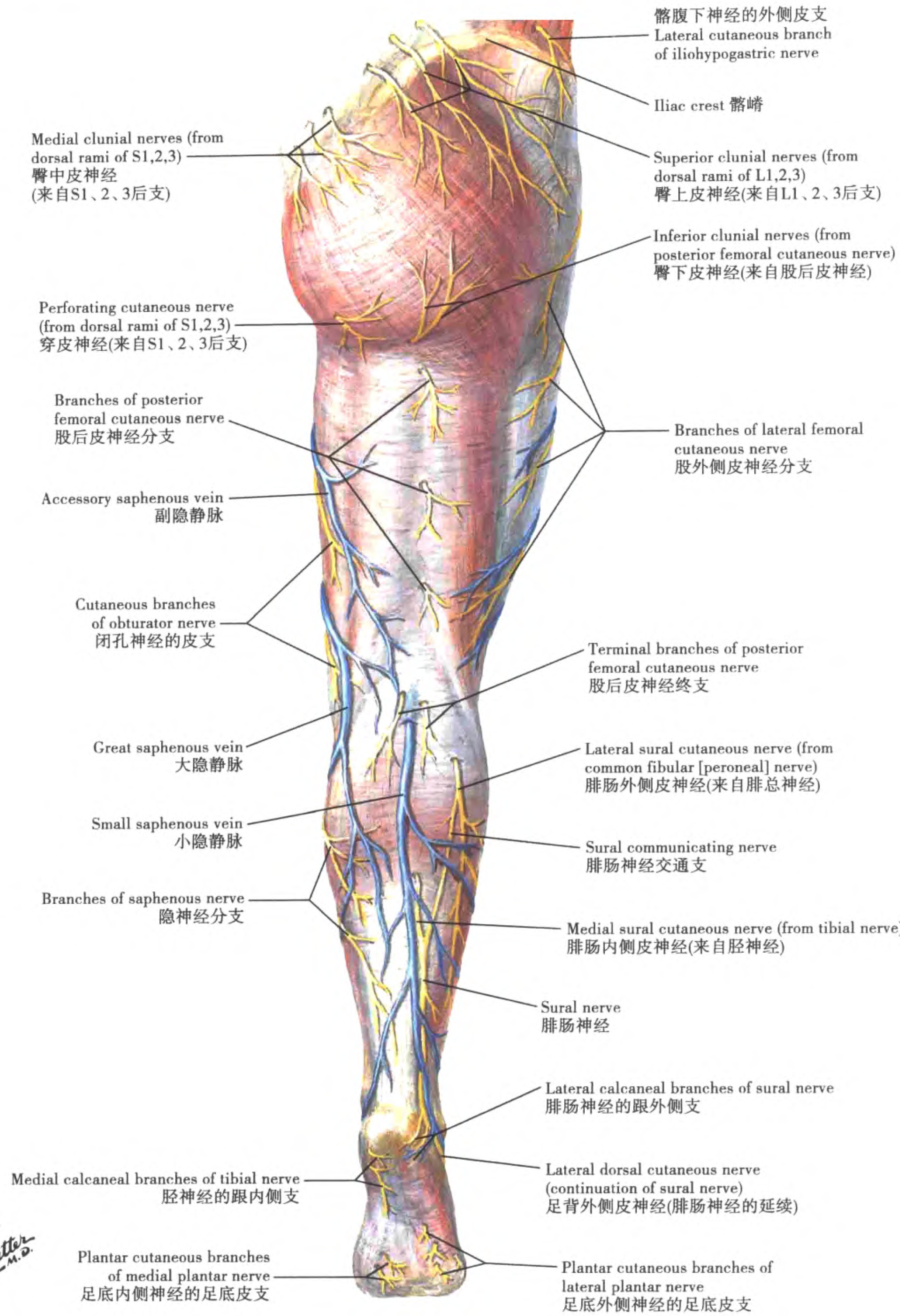


Segmental innervation of lower limb movements
下肢运动的节段性神经支配

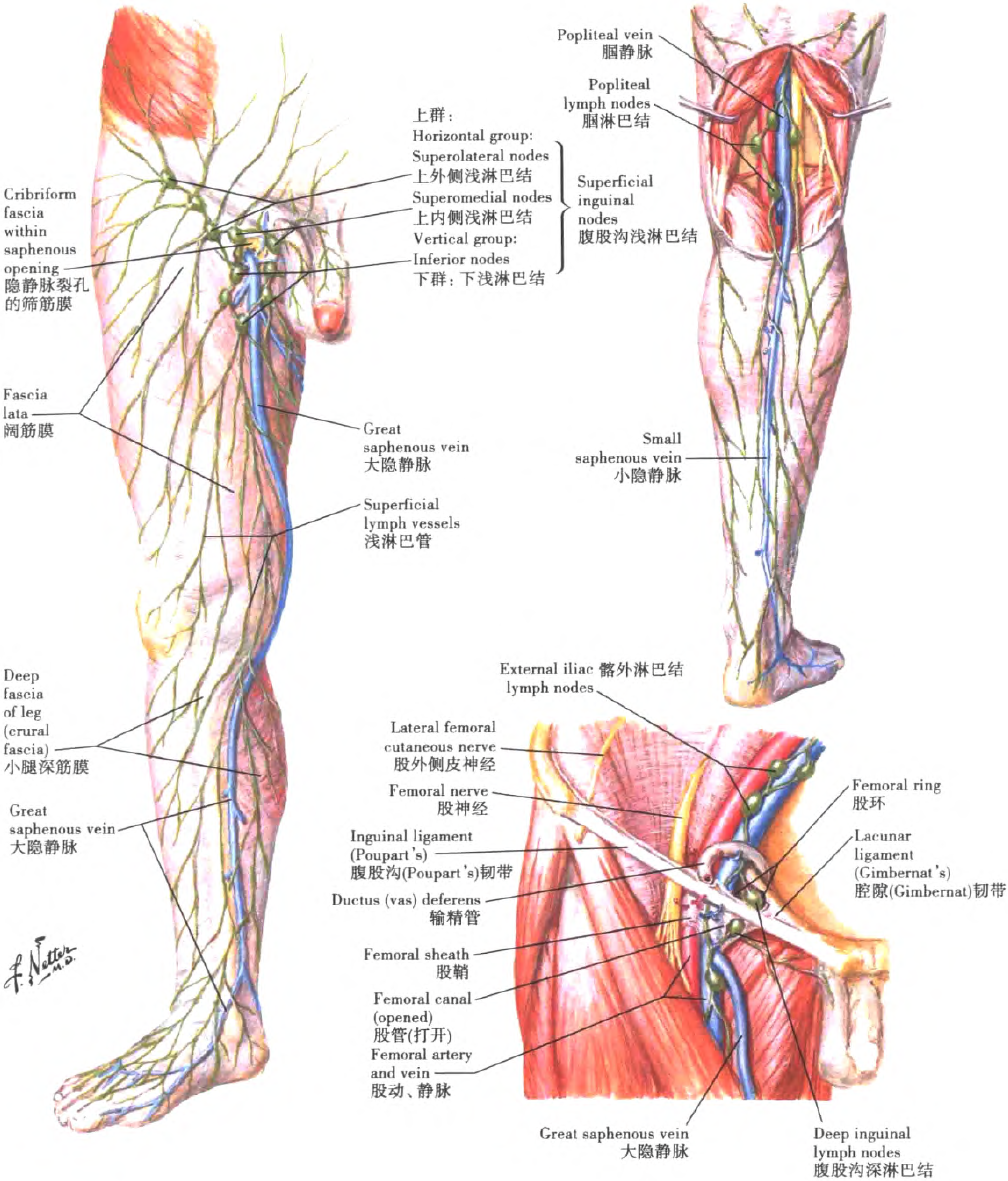


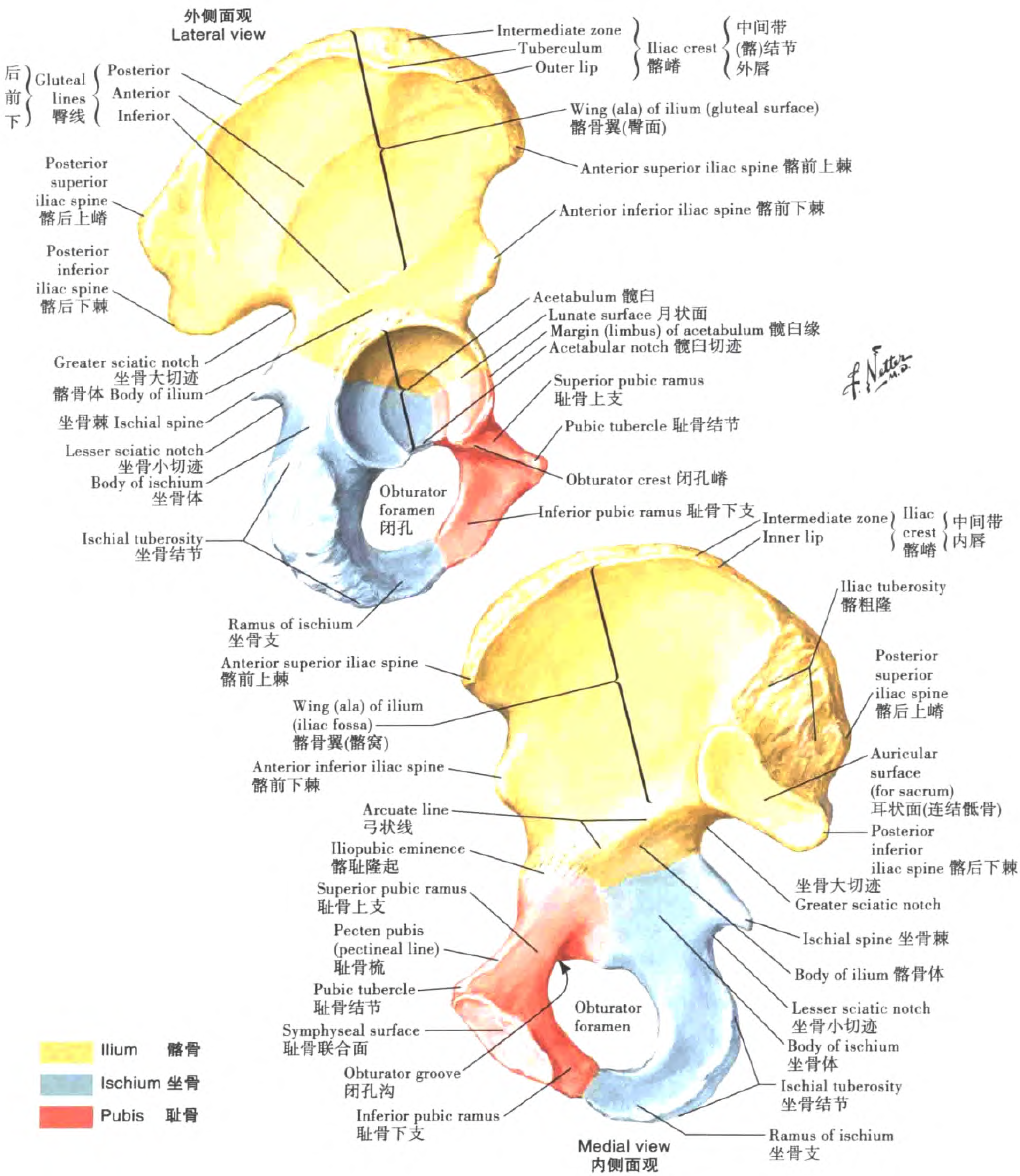

Lateral cutaneous
branch of subcostal nerve
肋下神经的外侧皮支
Inguinal ligament (Poupart's)
腹股沟(Poupart)韧带
Lateral femoral cutaneous nerve
股外侧皮神经
Superficial circumflex iliac vein
旋髂浅静脉
Femoral branches of genitofemoral nerve
生殖股神经的股支
Saphenous opening (fossa ovalis)
隐静脉裂孔(卵圆窝)
Fascia lata
阔筋膜
Anterior cutaneous
branches of femoral nerve
股神经的前皮支
Superficial epigastric vein
腹壁浅静脉
Ilio-inguinal nerve (scrotal branch) (usually
passes through superficial inguinal ring)
髂腹股沟神经(阴囊支)(通常穿过腹股沟管浅环)
Genital branch of genitofemoral nerve
生殖股神经的生殖支
Femoral vein
股静脉
Superficial external pudendal vein
阴部外浅静脉
Accessory saphenous vein
副隐静脉
Great saphenous vein
大隐静脉
Cutaneous branches of obturator nerve
闭孔神经皮支
Patellar nerve plexus
髌神经丛
Infrapatellar branch of saphenous nerve
隐神经髌下支
Saphenous nerve (terminal branch
of femoral nerve)
隐神经(股神经终支)
Branches of lateral sural cutaneous nerve
(from common fibular [peroneal] nerve)
腓肠外侧皮神经分支(来自腓总神经)
Great saphenous vein
大隐静脉
Deep fascia of leg (crural fascia)
小腿深筋膜
Superficial fibular (peroneal) nerve
腓浅神经
Medial dorsal
cutaneous branch
足背内侧皮神经
Intermediate dorsal
cutaneous branch
足背中间皮神经
Small saphenous vein and lateral
dorsal cutaneous nerve (from sural nerve)
小隐静脉和足背外侧皮神经(来自腓肠神经)
Lateral dorsal digital nerve
and vein of 5th toe
第5趾的趾背外侧神经和静脉
Dorsal metatarsal veins
跖背静脉
Dorsal digital nerves and veins
趾背神经和静脉
Dorsal digital nerves
趾背神经
Dorsal venous arch
足背静脉弓
Dorsal digital nerve and vein of medial side of great toe
踇趾内侧的趾背神经和静脉
Dorsal digital branch of deep fibular (peroneal) nerve
腓深神经的趾背支
F. Netter M.D.

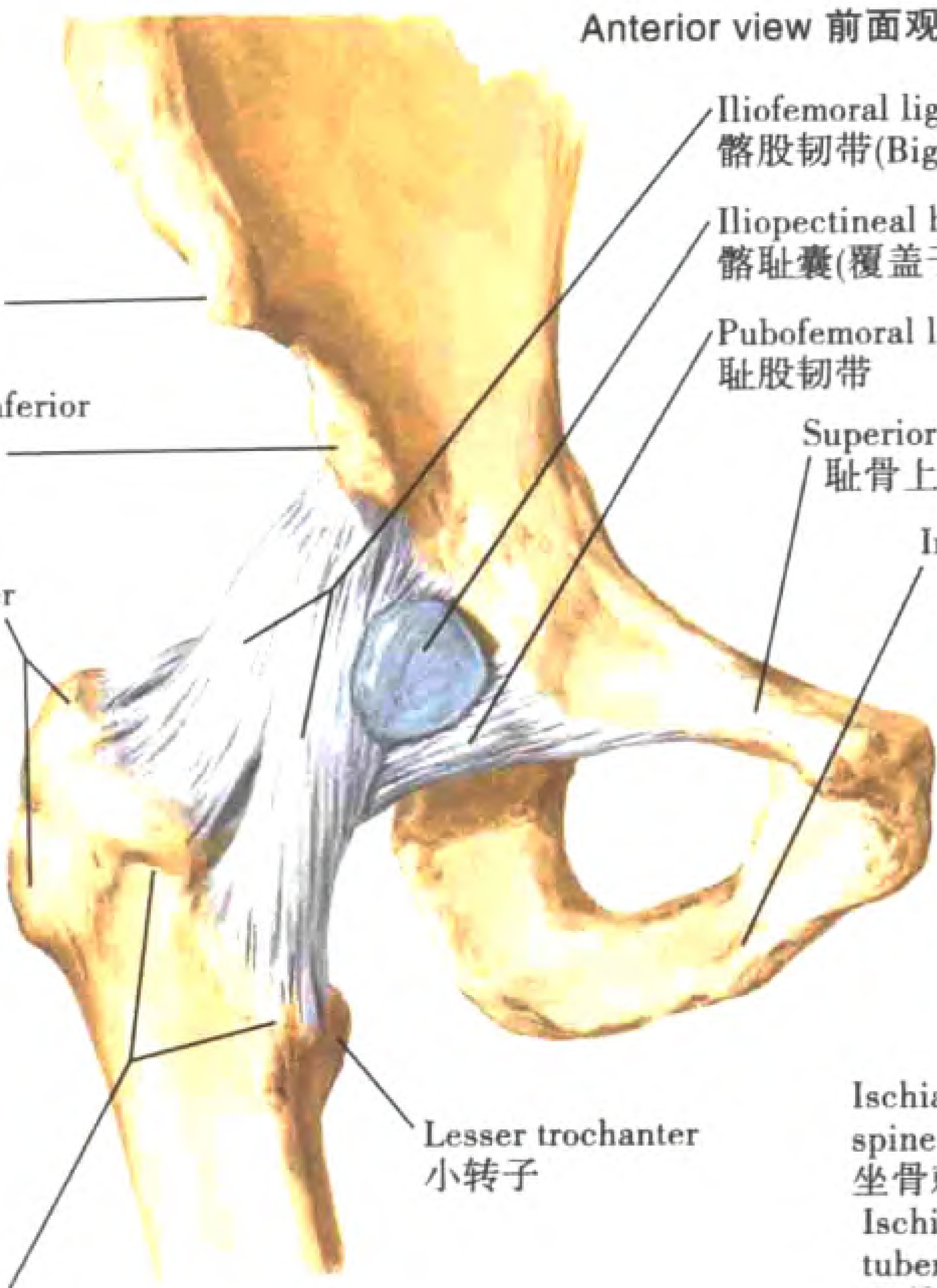
参见图 527，528

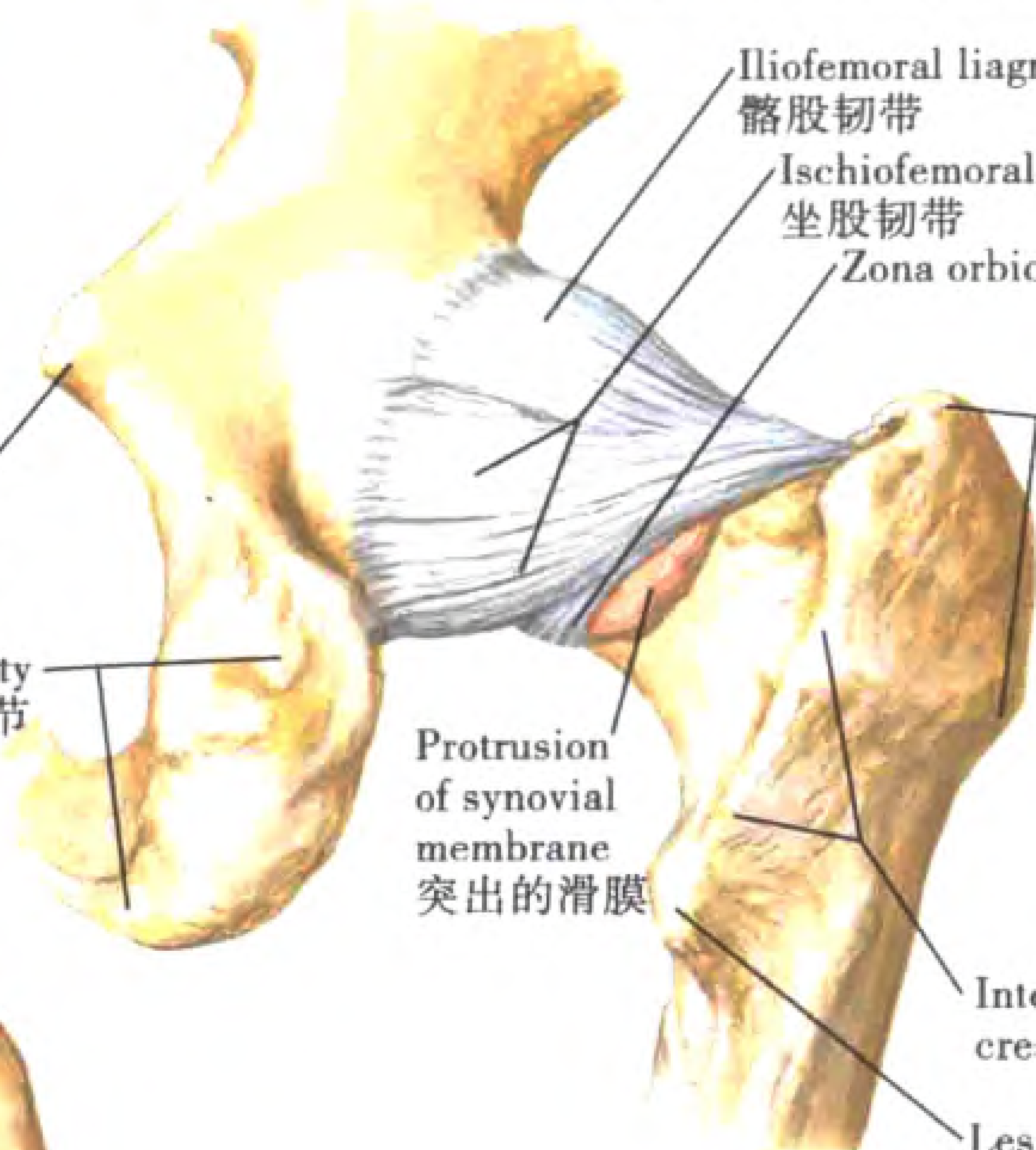


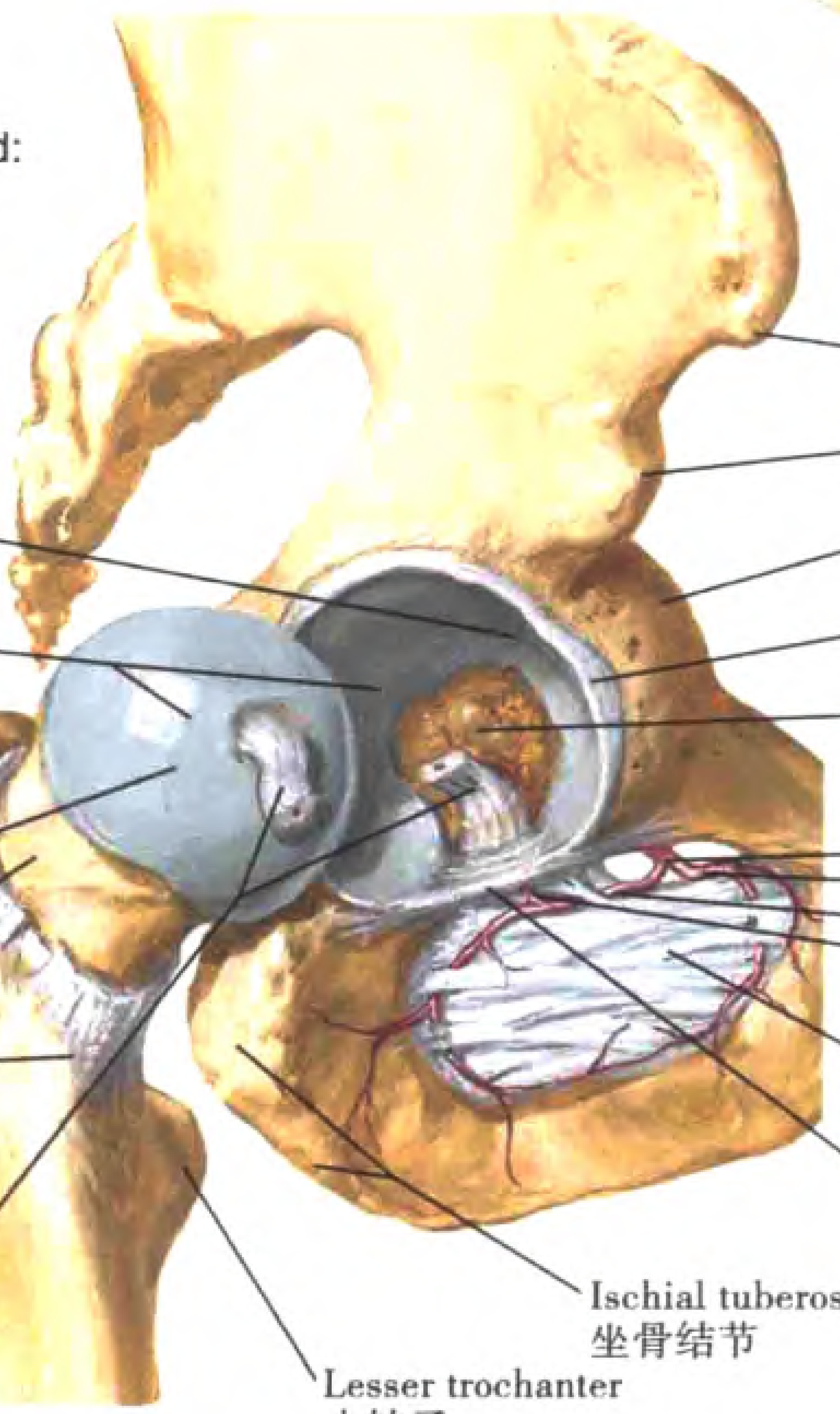
髂腹下神经的外侧皮支
Lateral cutaneous branch of iliohypogastric nerve
Iliac crest 髂嵴
Superior clunial nerves (from dorsal rami of L1,2,3)
臀上皮神经(来自L1、2、3后支)
Medial clunial nerves (from dorsal rami of S1,2,3)
臀中皮神经
(来自S1、2、3后支)
Inferior clunial nerves (from posterior femoral cutaneous nerve)
臀下皮神经(来自股后皮神经)
Perforating cutaneous nerve (from dorsal rami of S1,2,3)
穿皮神经(来自S1、2、3后支)
Branches of posterior femoral cutaneous nerve
股后皮神经分支
Branches of lateral femoral cutaneous nerve
股外侧皮神经分支
Accessory saphenous vein
副隐静脉
Cutaneous branches of obturator nerve
闭孔神经的皮支
Terminal branches of posterior femoral cutaneous nerve
股后皮神经终支
Great saphenous vein
大隐静脉
Lateral sural cutaneous nerve (from common fibular [peroneal] nerve)
腓肠外侧皮神经(来自腓总神经)
Small saphenous vein
小隐静脉
Sural communicating nerve
腓肠神经交通支
Branches of saphenous nerve
隐神经分支
Medial sural cutaneous nerve (from tibial nerve)
腓肠内侧皮神经(来自胫神经)
Sural nerve
腓肠神经
Lateral calcaneal branches of sural nerve
腓肠神经的跟外侧支
Medial calcaneal branches of tibial nerve
胫神经的跟内侧支
Lateral dorsal cutaneous nerve (continuation of sural nerve)
足背外侧皮神经(腓肠神经的延续)
Plantar cutaneous branches of medial plantar nerve
足底内侧神经的足底皮支
Plantar cutaneous branches of lateral plantar nerve
足底外侧神经的足底皮支


Popliteal vein
腘静脉
Popliteal lymph nodes
腘淋巴结
上群：
Horizontal group:
Superolateral nodes
上外侧浅淋巴结
Superomedial nodes
上内侧浅淋巴结
Vertical group:
Inferior nodes
下群：下浅淋巴结
Superficial inguinal nodes
腹股沟浅淋巴结
Cribriform fascia within saphenous opening
隐静脉裂孔的筛筋膜
Fascia lata
阔筋膜
Great saphenous vein
大隐静脉
Small saphenous vein
小隐静脉
Superficial lymph vessels
浅淋巴管
Deep fascia of leg (crural fascia)
小腿深筋膜
Great saphenous vein
大隐静脉
F. Netter M.D.
External iliac 髂外淋巴结
lymph nodes
Lateral femoral cutaneous nerve
股外侧皮神经
Femoral nerve
股神经
Inguinal ligament (Poupart's)
腹股沟(Poupart's)韧带
Ductus (vas) deferens
输精管
Femoral sheath
股鞘
Femoral canal (opened)
股管(打开)
Femoral artery and vein
股动、静脉
Femoral ring
股环
Lacunar ligament (Gimbernat's)
腔隙(Gimbernat's)韧带
Great saphenous vein
大隐静脉
Deep inguinal lymph nodes
腹股沟深淋巴结


外侧面观
Lateral view
Intermediate zone
Tuberculum
Outer lip
Iliac crest
髂嵴
中间带
(髂)结节
外唇
后
前
下
Gluteal lines
臀线
Posterior
Anterior
Inferior
Wing (ala) of ilium (gluteal surface)
髂骨翼(臀面)
Anterior superior iliac spine 髂前上棘
Posterior superior iliac spine
髂后上嵴
Anterior inferior iliac spine 髂前下棘
Posterior inferior iliac spine
髂后下棘
Acetabulum 髋臼
Lunate surface 月状面
Margin (limbus) of acetabulum 髋臼缘
Acetabular notch 髋臼切迹
Greater sciatic notch
坐骨大切迹
髂骨体 Body of ilium
Superior pubic ramus
耻骨上支
坐骨棘 Ischial spine
Pubic tubercle 耻骨结节
Lesser sciatic notch
坐骨小切迹
Body of ischium
坐骨体
Obturator crest 闭孔嵴
Obturator foramen
闭孔
Inferior pubic ramus 耻骨下支
Ischial tuberosity
坐骨结节
Ramus of ischium
坐骨支
Intermediate zone
Inner lip
Iliac crest
髂嵴
中间带
内唇
Iliac tuberosity
髂粗隆
Anterior superior iliac spine
髂前上棘
Posterior superior iliac spine
髂后上嵴
Wing (ala) of ilium
(iliac fossa)
髂骨翼(髂窝)
Auricular surface
(for sacrum)
耳状面(连结骶骨)
Anterior inferior iliac spine
髂前下棘
Arcuate line
弓状线
Posterior inferior iliac spine 髂后下棘
Iliopubic eminence
髂耻隆起
坐骨大切迹
Greater sciatic notch
Superior pubic ramus
耻骨上支
Ischial spine 坐骨棘
Pecten pubis
(pectineal line)
耻骨梳
Body of ilium 髂骨体
Pubic tubercle
耻骨结节
Lesser sciatic notch
坐骨小切迹
Obturator foramen
Symphyseal surface
耻骨联合面
Body of ischium
坐骨体
Obturator groove
闭孔沟
Ischial tuberosity
坐骨结节
Inferior pubic ramus
耻骨下支
Ramus of ischium
坐骨支
Medial view
内侧面观
Ilium 髂骨
Ischium 坐骨
Pubis 耻骨


Anterior view 前面观
Iliofemoral ligament (Y ligament of Bigelow)
髂股韧带(Bigelow Y韧带)
Iliopectineal bursa (over gap in ligaments)
髂耻囊(覆盖于韧带间隙)
Pubofemoral ligament
耻股韧带
Superior pubic ramus
耻骨上支
Inferior pubic ramus
耻骨下支
Anterior superior iliac spine
髂前上棘
Anterior inferior iliac spine
髂前下棘
Greater trochanter
大转子
Lesser trochanter
小转子
Intertrochanteric line
转子间线

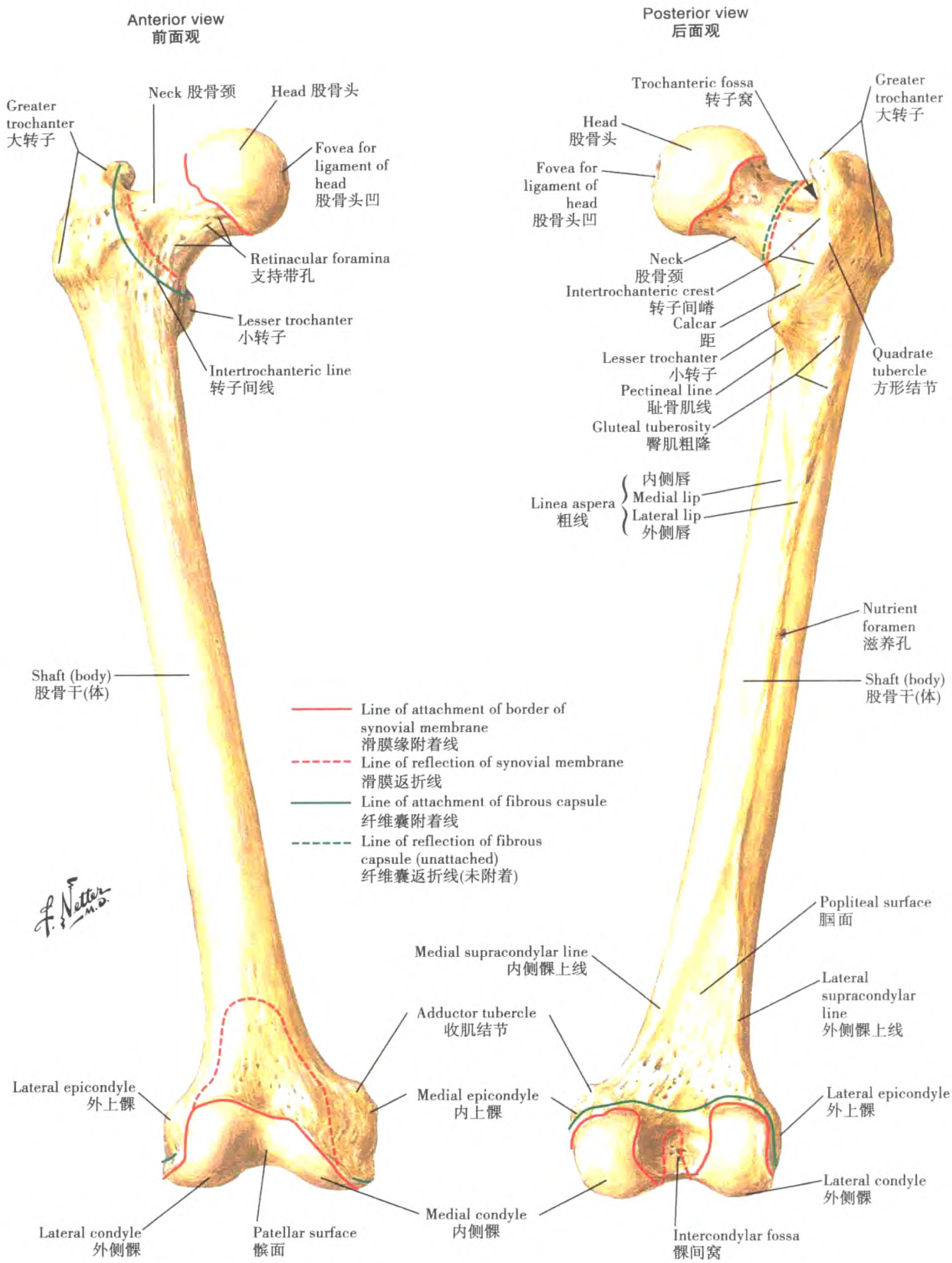

Posterior view 后面观
Iliofemoral liagment
髂股韧带
Ischiofemoral ligament
坐股韧带
Zona orbicularis 轮匝带
Greater trochanter
大转子
Ischial spine
坐骨棘
Ischial tuberosity
坐骨结节
Protrusion of synovial membrane
突出的滑膜
Intertrochanteric crest 转子间嵴
Lesser trochanter
小转子


Joint opened: lateral view
关节打开：
外侧面观
Lunate (articular) surface of acetabulum
髋臼的月状(关节)面
Articular cartilage
关节软骨
Greater trochanter
大转子
Head of femur
股骨头
Neck of femur
股骨颈
Intertrochanteric line
转子间线
Ligament of head of femur (cut)
股骨头韧带(切断)
Anterior superior iliac spine 髂前上棘
Anterior inferior iliac spine 髂前下棘
Iliopubic eminence 髂耻隆起
Acetabular labrum (fibrocartilaginous) 髋臼唇(纤维软骨)
Fat in acetabular fossa (covered by synovial membrane) 髋臼窝内脂肪(覆盖滑膜)
Obturator artery 闭孔动脉
Anterior branch 前支
Posterior branch 后支
Acetabular branch 髋臼支
Obturator membrane 闭孔膜
Transverse acetabular ligament
髋臼横韧带
Ischial tuberosity
坐骨结节
Lesser trochanter
小转子

髋关节:前后位 X 线成像

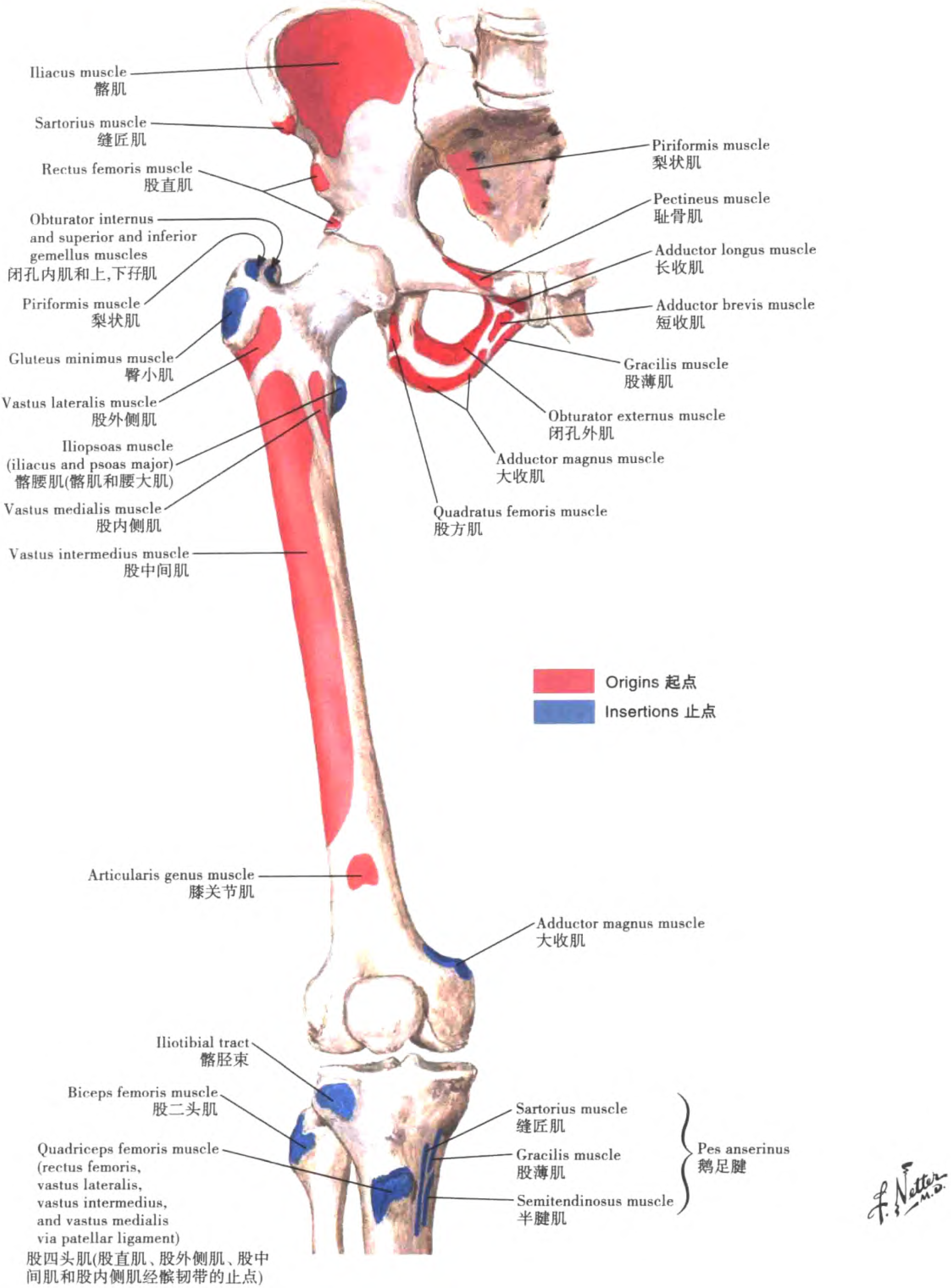
参见图 331,474,478



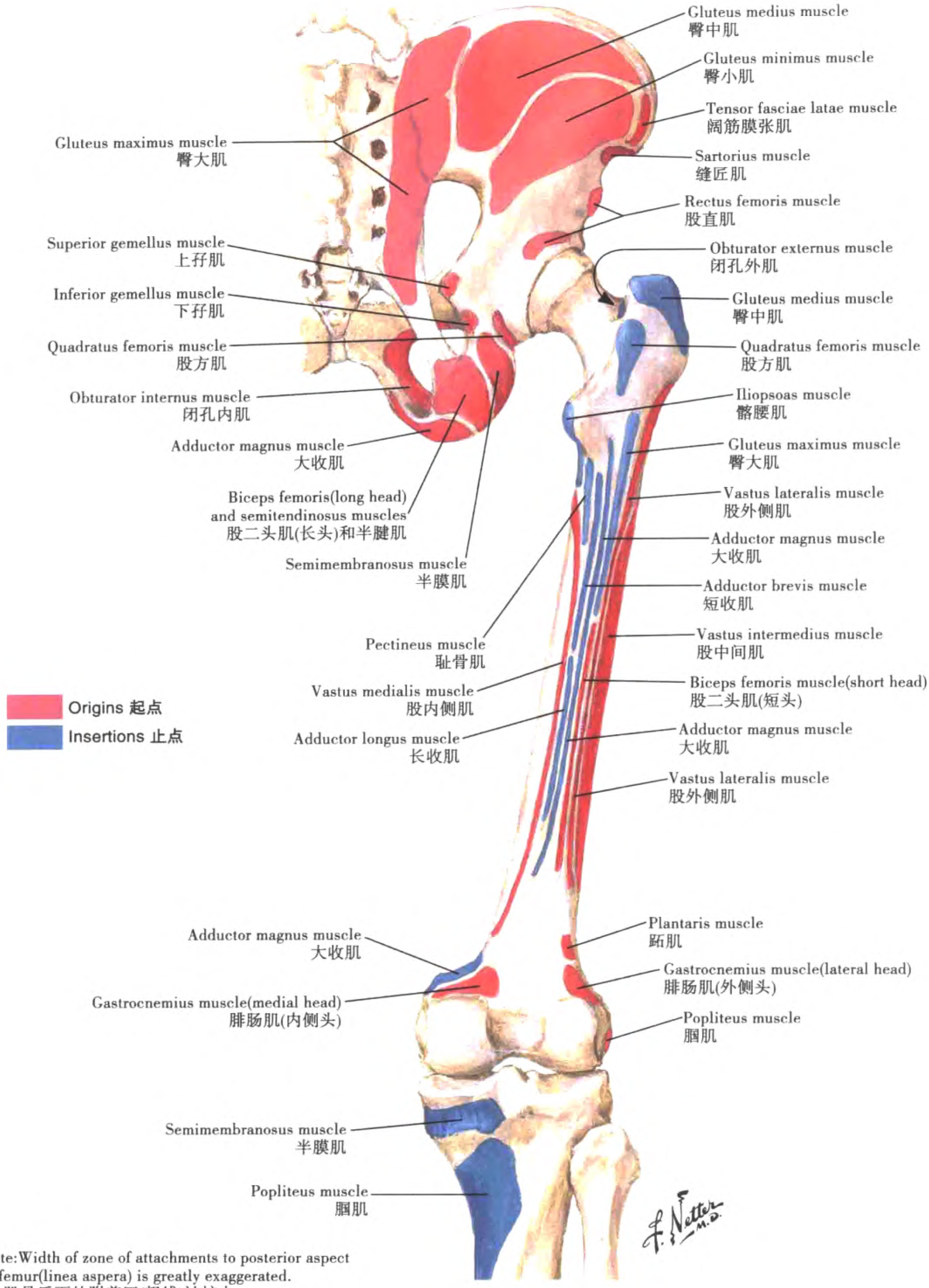

Anterior view
前面观
Greater trochanter
大转子
Neck 股骨颈
Head 股骨头
Fovea for ligament of head
股骨头凹
Retinacular foramina
支持带孔
Lesser trochanter
小转子
Intertrochanteric line
转子间线
Shaft (body)
股骨干(体)
Lateral epicondyle
外上髁
Adductor tubercle
收肌结节
Medial epicondyle
内上髁
Lateral condyle
外侧髁
Patellar surface
髌面
Medial condyle
内侧髁
Posterior view
后面观
Trochanteric fossa
转子窝
Head
股骨头
Greater trochanter
大转子
Fovea for ligament of head
股骨头凹
Neck
股骨颈
Intertrochanteric crest
转子间嵴
Calcar
距
Lesser trochanter
小转子
Pectineal line
耻骨肌线
Gluteal tuberosity
臀肌粗隆
Quadrate tubercle
方形结节
Linea aspera
粗线
内侧唇
Medial lip
Lateral lip
外侧唇
Nutrient foramen
滋养孔
Shaft (body)
股骨干(体)
Line of attachment of border of synovial membrane
滑膜缘附着线
Line of reflection of synovial membrane
滑膜返折线
Line of attachment of fibrous capsule
纤维囊附着线
Line of reflection of fibrous capsule (unattached)
纤维囊返折线(未附着)
Popliteal surface
腘面
Medial supracondylar line
内侧髁上线
Lateral supracondylar line
外侧髁上线
Lateral epicondyle
外上髁
Lateral condyle
外侧髁
Intercondylar fossa
髁间窝
F. Netter M.D.

髋肌和大腿肌附着区:前面观

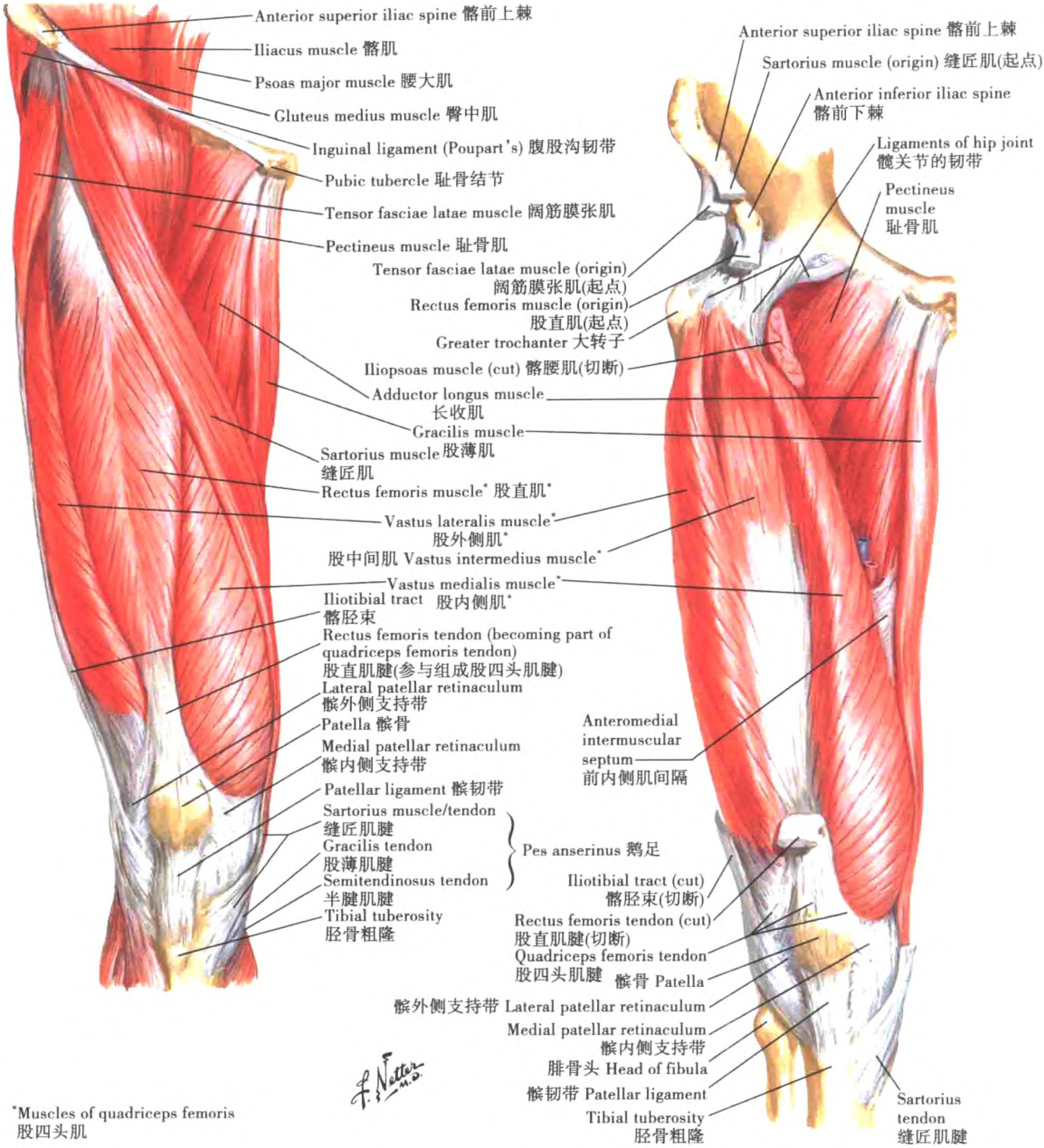
参见图 530



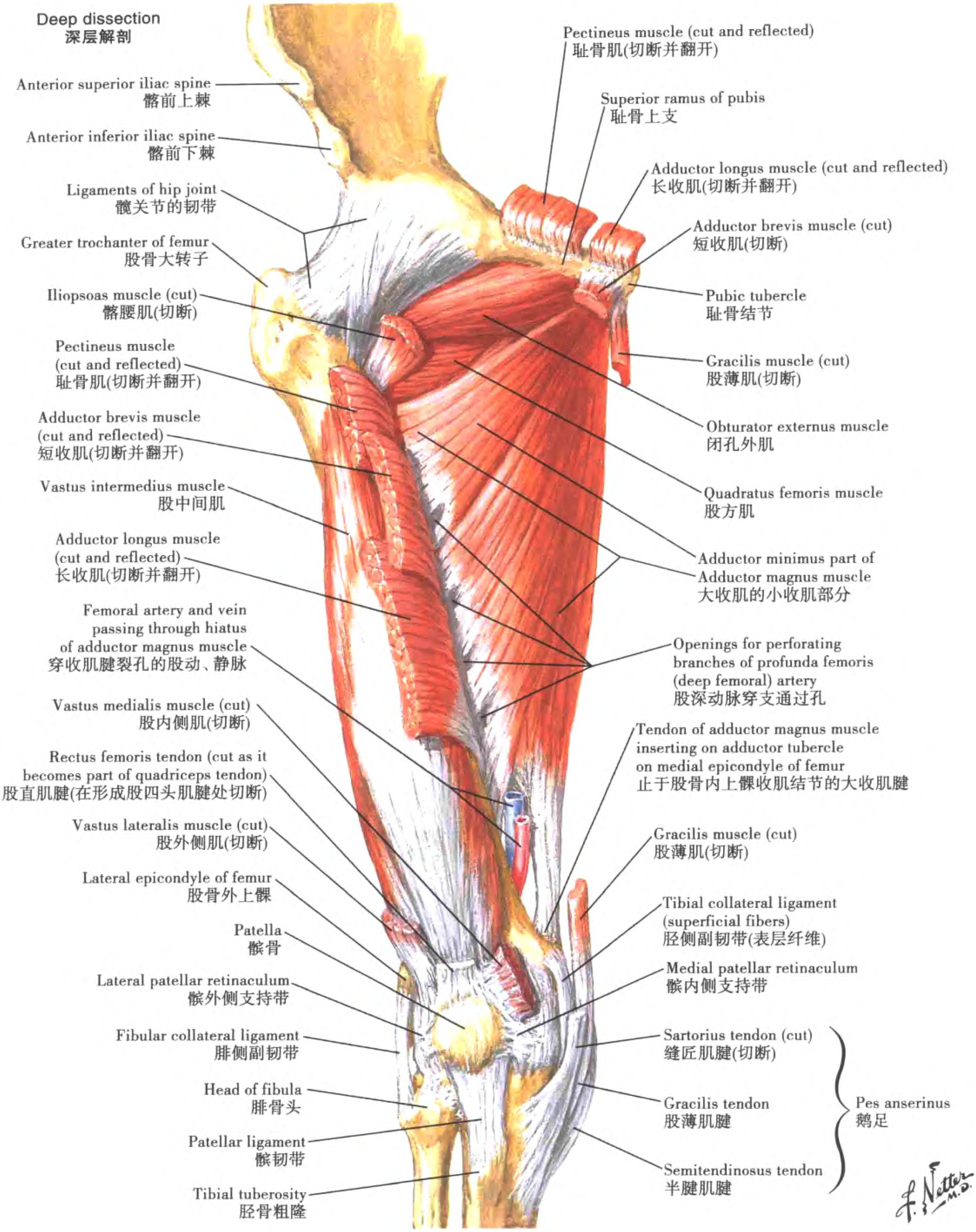
参见图 475



Note:Width of zone of attachments to posterior aspect of femur(linea aspera) is greatly exaggerated.
注:股骨后面的附着区(粗线)被扩大

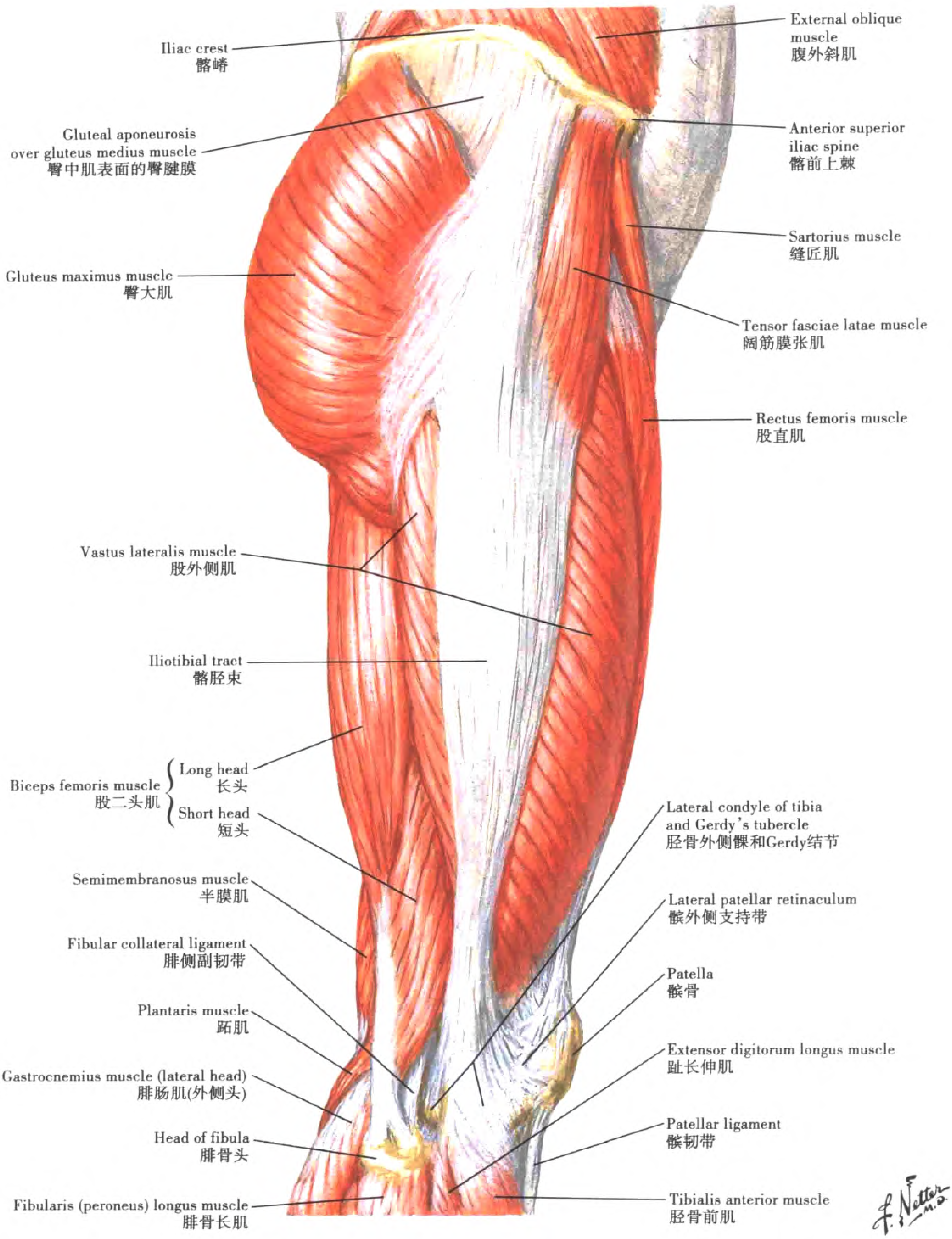


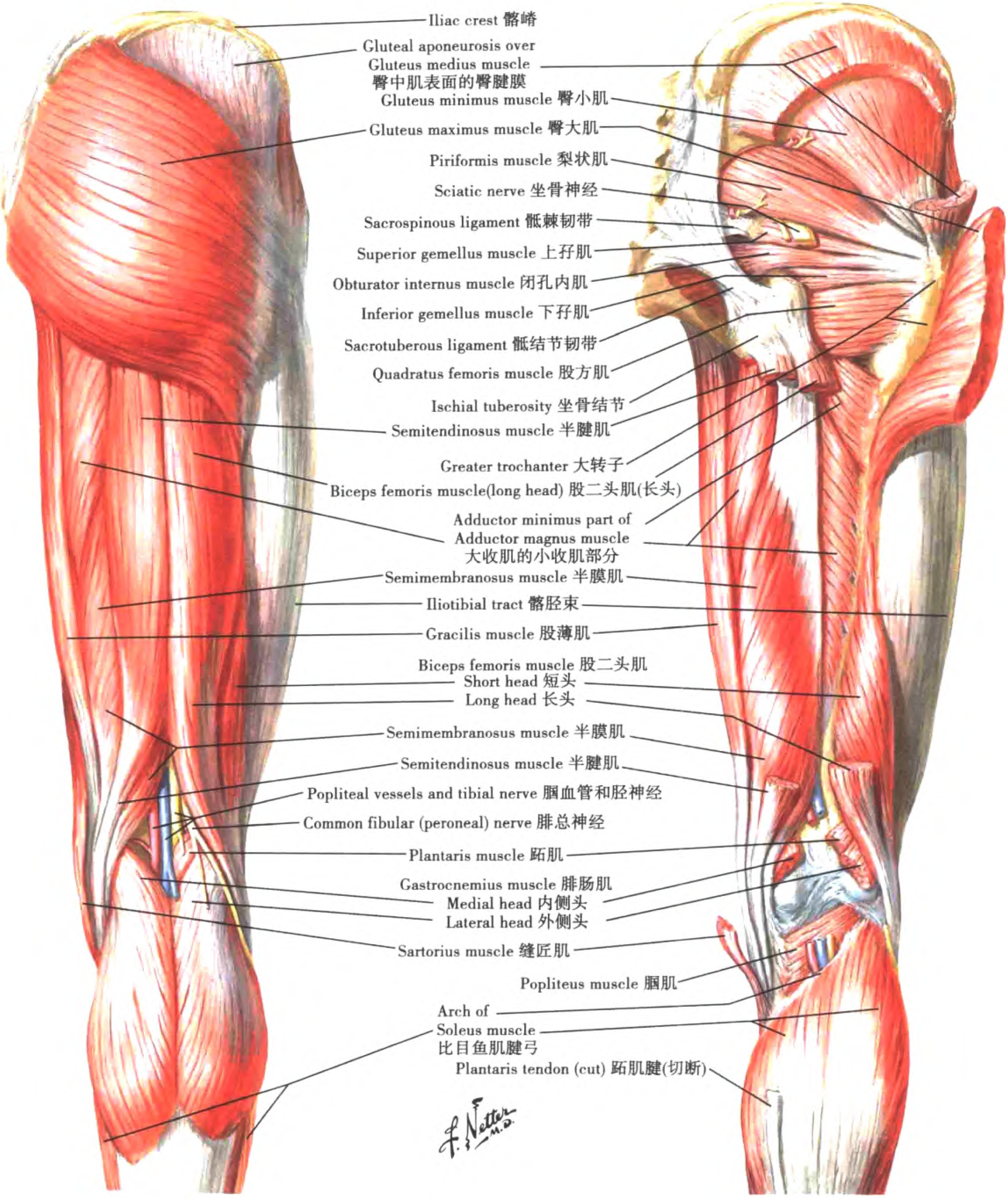
*Muscles of quadriceps femoris
股四头肌


Deep dissection
深层解剖
Anterior superior iliac spine
髂前上棘
Anterior inferior iliac spine
髂前下棘
Ligaments of hip joint
髋关节的韧带
Greater trochanter of femur
股骨大转子
Iliopsoas muscle (cut)
髂腰肌(切断)
Pectineus muscle (cut and reflected)
耻骨肌(切断并翻开)
Adductor brevis muscle (cut and reflected)
短收肌(切断并翻开)
Vastus intermedius muscle
股中间肌
Adductor longus muscle (cut and reflected)
长收肌(切断并翻开)
Femoral artery and vein passing through hiatus of adductor magnus muscle
穿收肌腱裂孔的股动、静脉
Vastus medialis muscle (cut)
股内侧肌(切断)
Rectus femoris tendon (cut as it becomes part of quadriceps tendon)
股直肌腱(在形成股四头肌腱处切断)
Vastus lateralis muscle (cut)
股外侧肌(切断)
Lateral epicondyle of femur
股骨外上髁
Patella
髌骨
Lateral patellar retinaculum
髌外侧支持带
Fibular collateral ligament
腓侧副韧带
Head of fibula
腓骨头
Patellar ligament
髌韧带
Tibial tuberosity
胫骨粗隆
Pectineus muscle (cut and reflected)
耻骨肌(切断并翻开)
Superior ramus of pubis
耻骨上支
Adductor longus muscle (cut and reflected)
长收肌(切断并翻开)
Adductor brevis muscle (cut)
短收肌(切断)
Pubic tubercle
耻骨结节
Gracilis muscle (cut)
股薄肌(切断)
Obturator externus muscle
闭孔外肌
Quadratus femoris muscle
股方肌
Adductor minimus part of Adductor magnus muscle
大收肌的小收肌部分
Openings for perforating branches of profunda femoris (deep femoral) artery
股深动脉穿支通过孔
Tendon of adductor magnus muscle inserting on adductor tubercle on medial epicondyle of femur
止于股骨内上髁收肌结节的大收肌腱
Gracilis muscle (cut)
股薄肌(切断)
Tibial collateral ligament (superficial fibers)
胫侧副韧带(表层纤维)
Medial patellar retinaculum
髌内侧支持带
Sartorius tendon (cut)
缝匠肌腱(切断)
Gracilis tendon
股薄肌腱
Semitendinosus tendon
半腱肌腱
Pes anserinus
鹅足
F. Netter M.D.

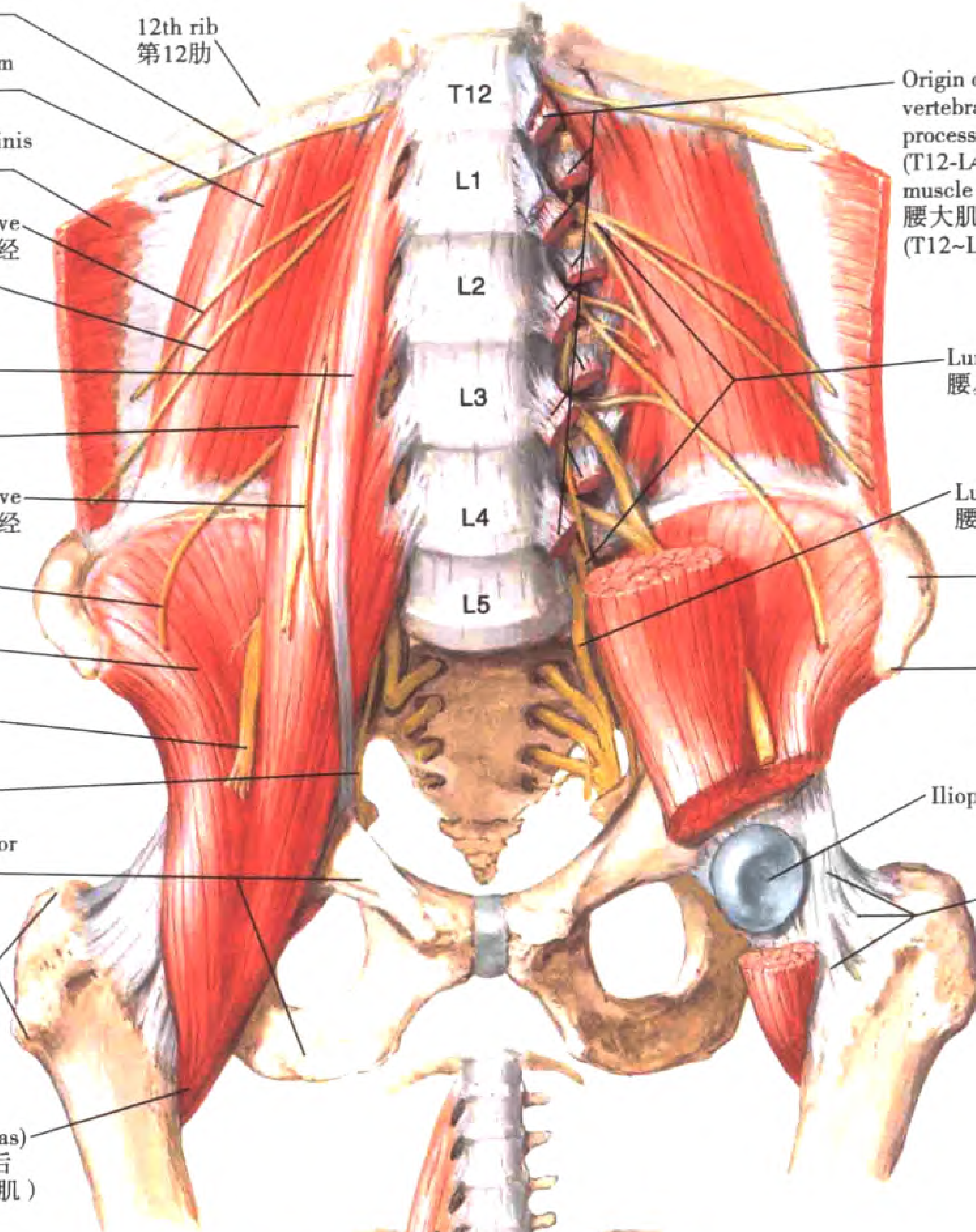
髋肌和大腿肌:外侧面观

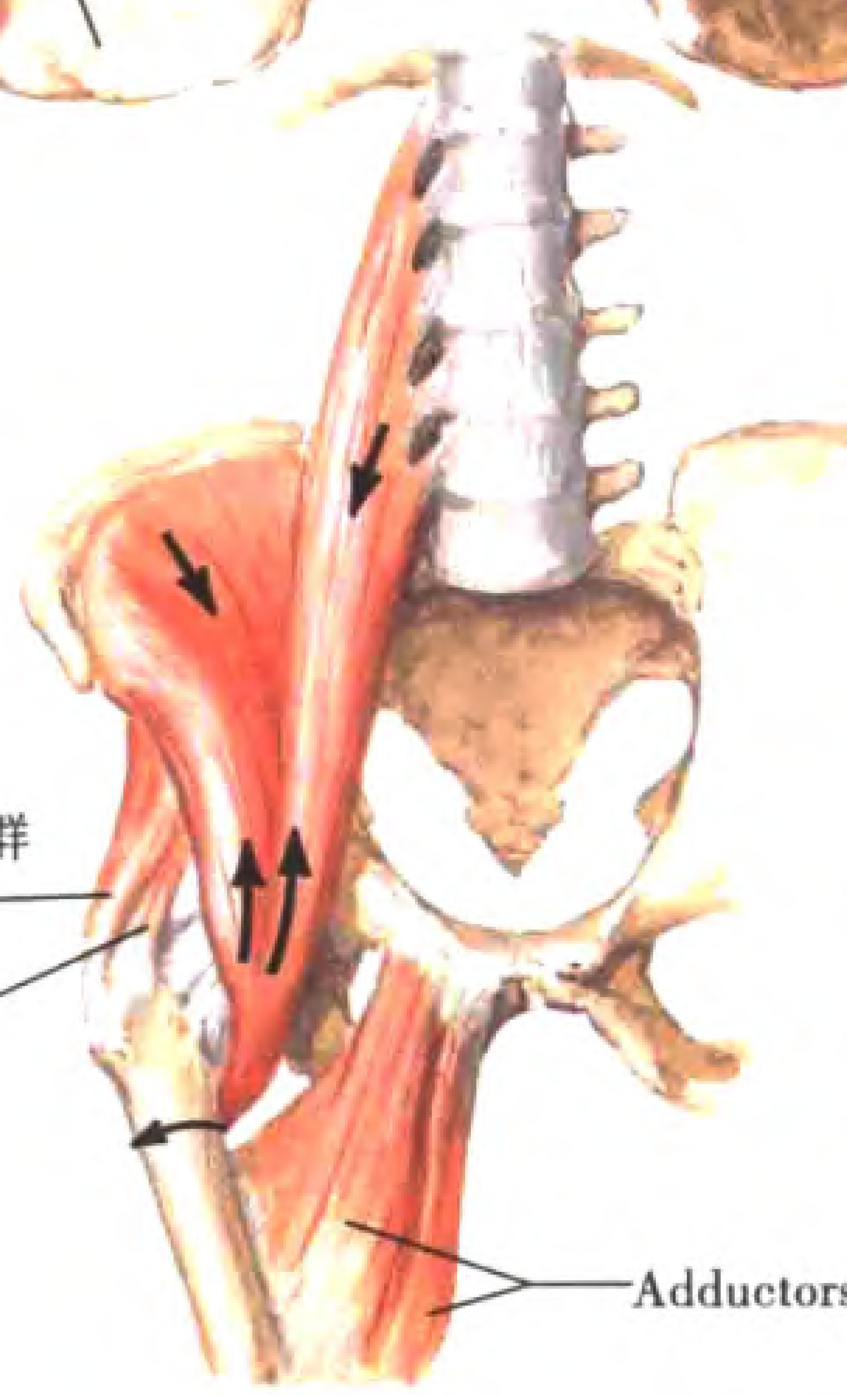
参见图 468



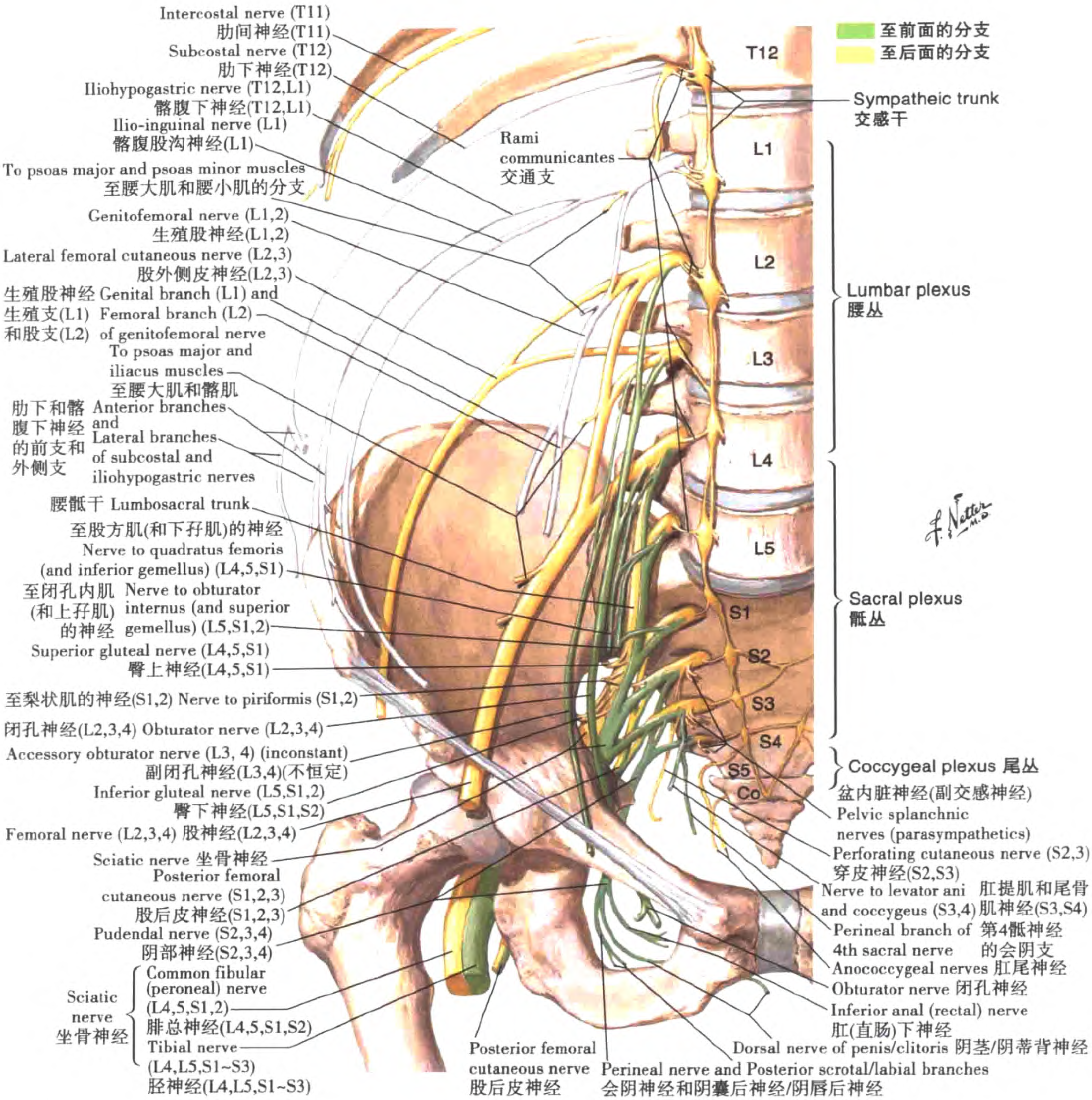

Superficial dissection
浅层解剖
Deeper dissection
深层解剖
Iliac crest 髂嵴
Gluteal aponeurosis over
Gluteus medius muscle
臀中肌表面的臀腱膜
Gluteus minimus muscle 臀小肌
Gluteus maximus muscle 臀大肌
Piriformis muscle 梨状肌
Sciatic nerve 坐骨神经
Sacrospinous ligament 骶棘韧带
Superior gemellus muscle 上孖肌
Obturator internus muscle 闭孔内肌
Inferior gemellus muscle 下孖肌
Sacrotuberous ligament 骶结节韧带
Quadratus femoris muscle 股方肌
Ischial tuberosity 坐骨结节
Semitendinosus muscle 半腱肌
Greater trochanter 大转子
Biceps femoris muscle(long head) 股二头肌(长头)
Adductor minimus part of
Adductor magnus muscle
大收肌的小收肌部分
Semimembranosus muscle 半膜肌
Iliotibial tract 髂胫束
Gracilis muscle 股薄肌
Biceps femoris muscle 股二头肌
Short head 短头
Long head 长头
Semimembranosus muscle 半膜肌
Semitendinosus muscle 半腱肌
Popliteal vessels and tibial nerve 腘血管和胫神经
Common fibular (peroneal) nerve 腓总神经
Plantaris muscle 跖肌
Gastrocnemius muscle 腓肠肌
Medial head 内侧头
Lateral head 外侧头
Sartorius muscle 缝匠肌
Popliteus muscle 腘肌
Arch of
Soleus muscle
比目鱼肌腱弓
Plantaris tendon (cut) 跖肌腱(切断)
F. Netter M.D.

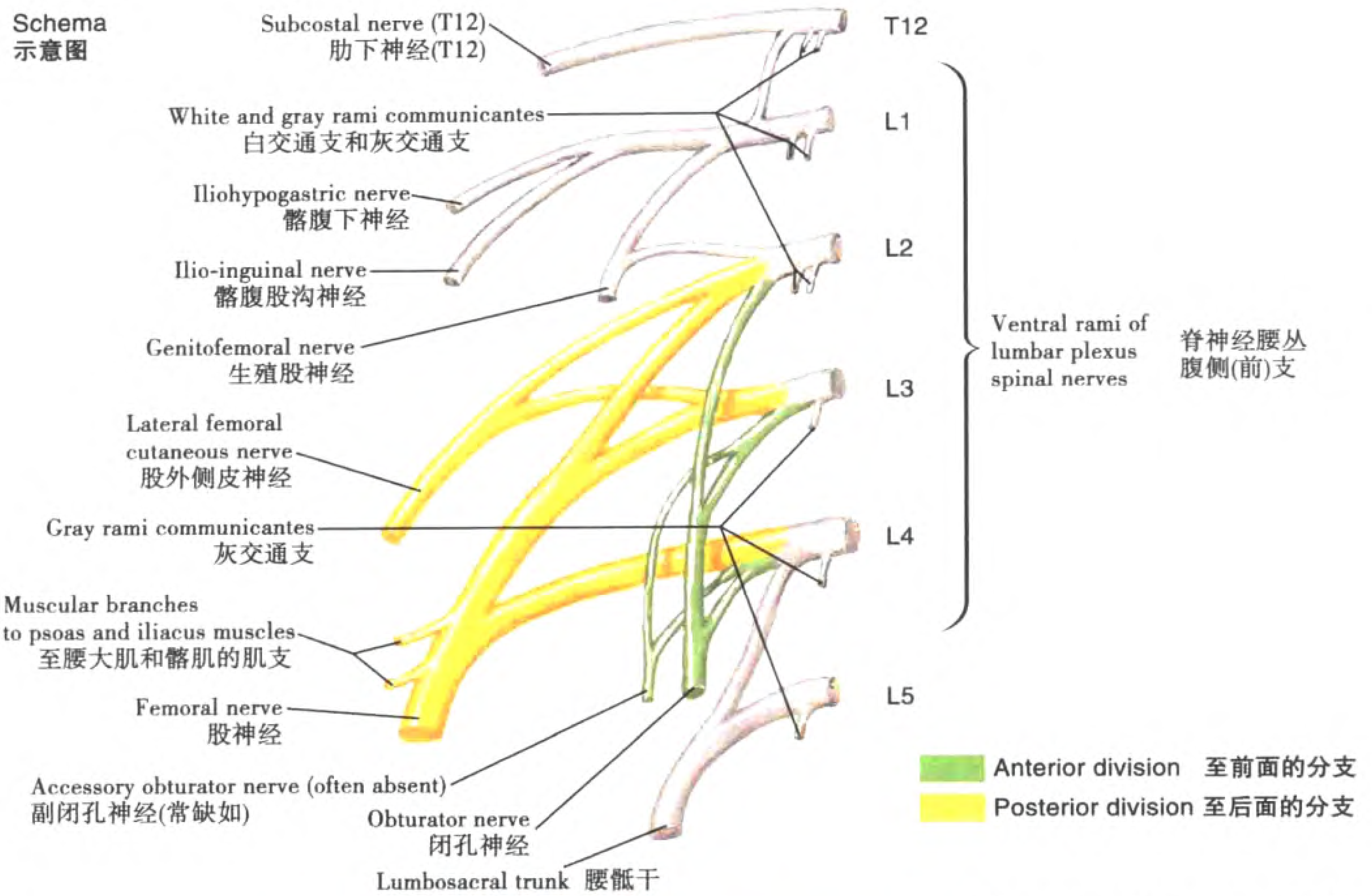
参见图 253，258，262

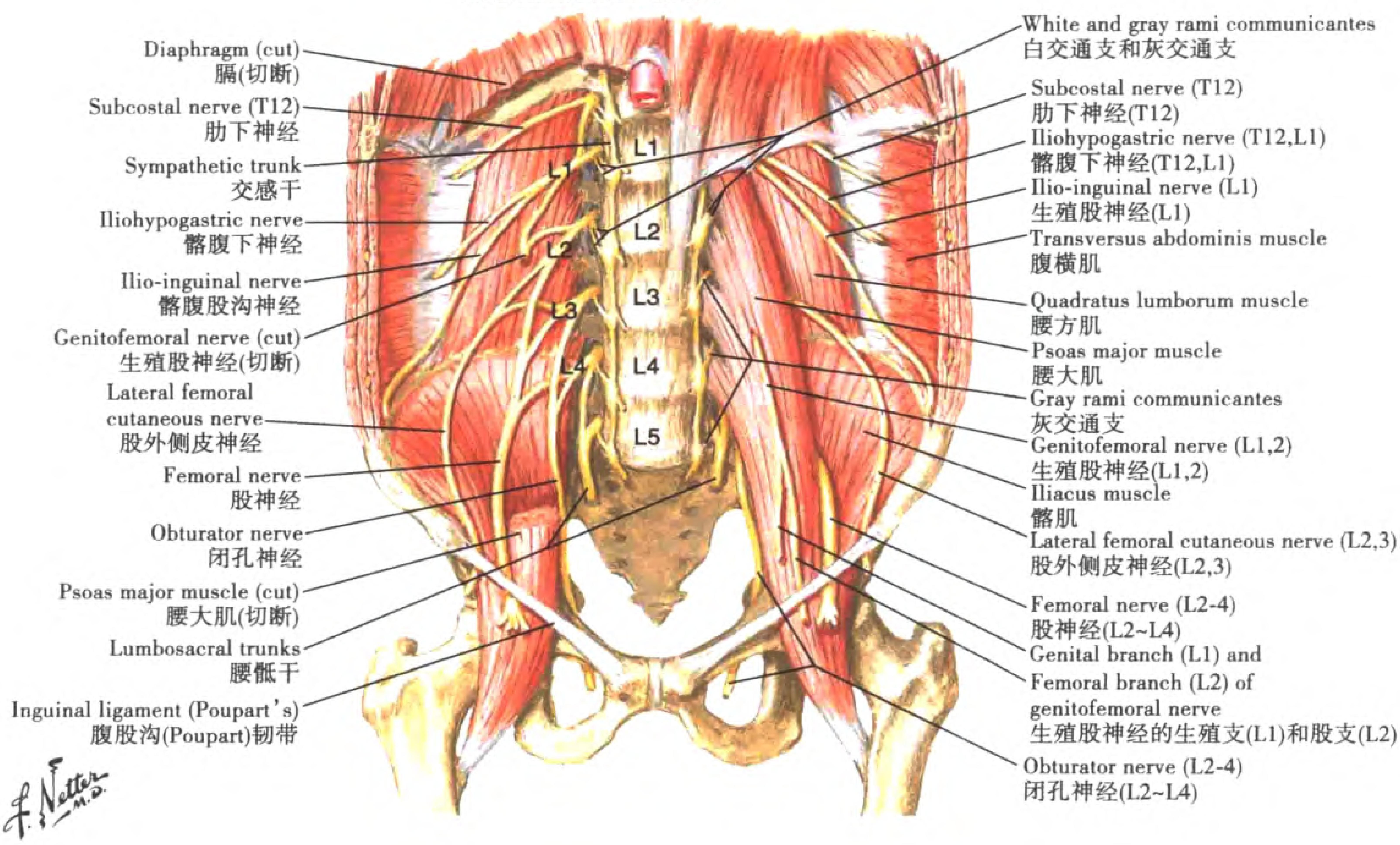


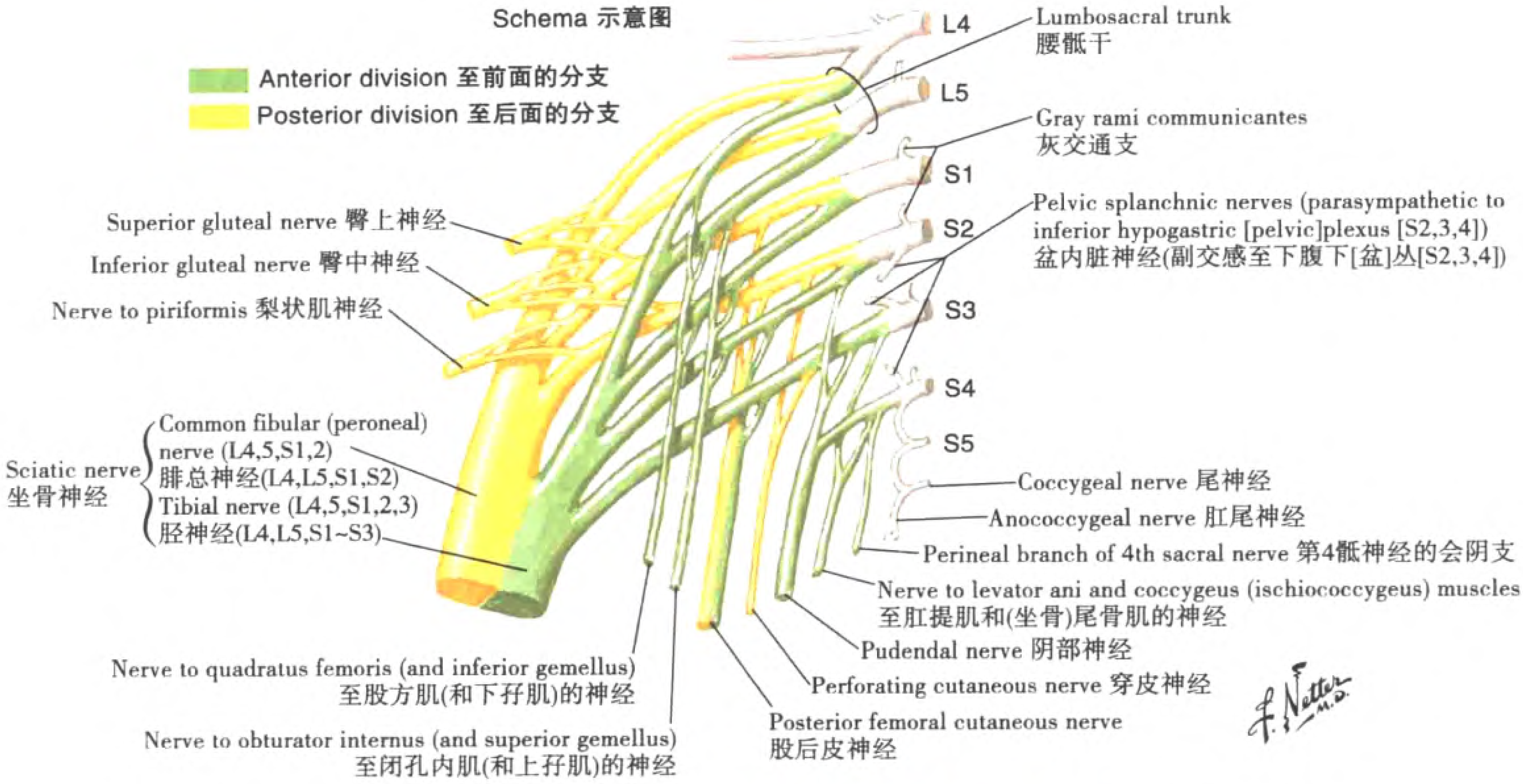


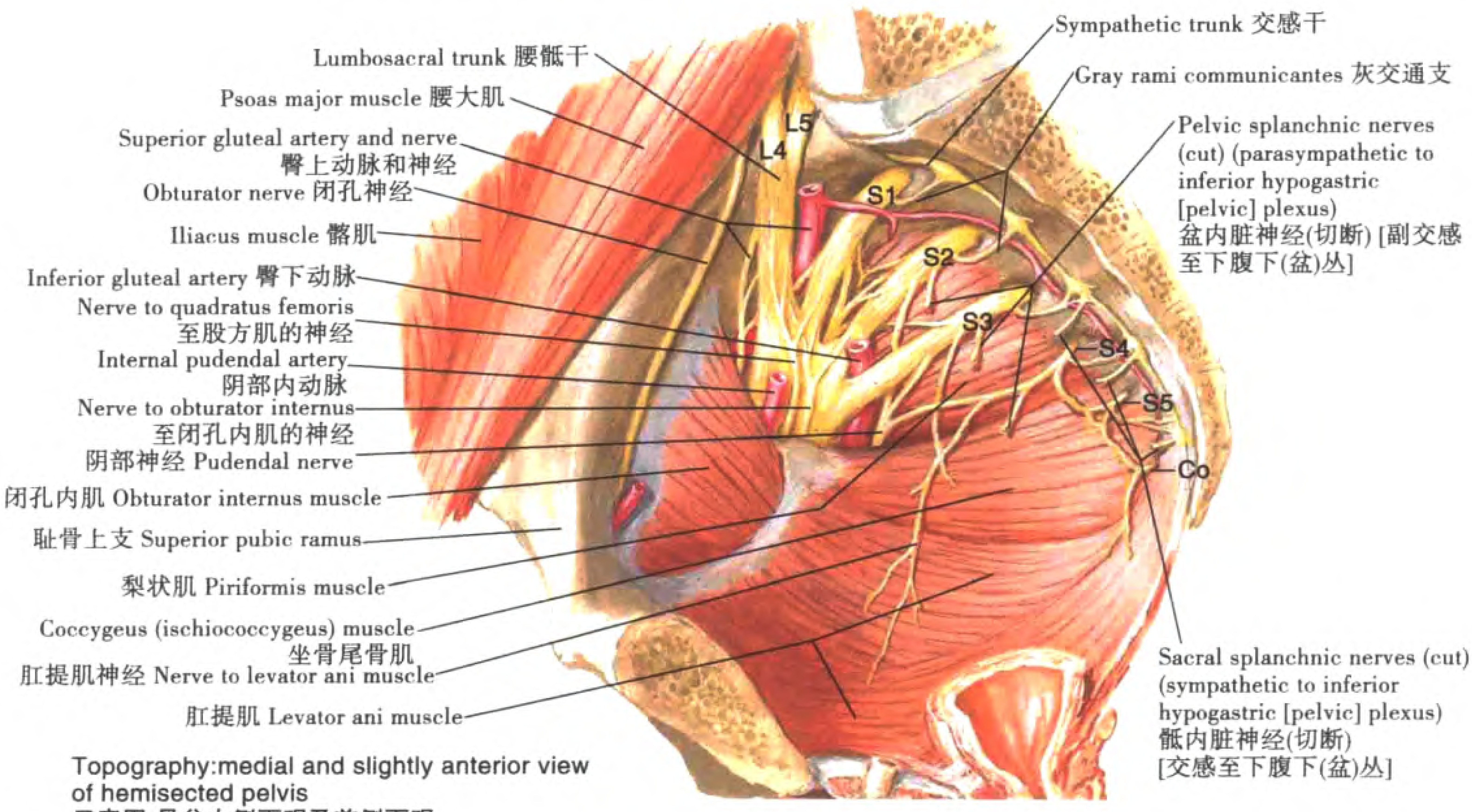
Note:Arrows indicate direction of action of muscles(iliacus/psoas superiorly, iliopsoas inferiorly).
注:箭头所示为肌肉收缩方向(上方为髂肌和腰大肌,下方合为髂腰肌)


至前面的分支
至后面的分支
Intercostal nerve (T11)
肋间神经(T11)
Subcostal nerve (T12)
肋下神经(T12)
Iliohypogastric nerve (T12,L1)
髂腹下神经(T12,L1)
Ilio-inguinal nerve (L1)
髂腹股沟神经(L1)
To psoas major and psoas minor muscles
至腰大肌和腰小肌的分支
Genitofemoral nerve (L1,2)
生殖股神经(L1,2)
Lateral femoral cutaneous nerve (L2,3)
股外侧皮神经(L2,3)
生殖股神经 Genital branch (L1) and
生殖支(L1) Femoral branch (L2)
和股支(L2) of genitofemoral nerve
To psoas major and iliacus muscles
至腰大肌和髂肌
肋下和髂腹下神经的前支和外侧支 Anterior branches and Lateral branches of subcostal and iliohypogastric nerves
腰骶干 Lumbosacral trunk
至股方肌(和下孖肌)的神经
Nerve to quadratus femoris (and inferior gemellus) (L4,5,S1)
至闭孔内肌(和上孖肌)的神经 Nerve to obturator internus (and superior gemellus) (L5,S1,2)
Superior gluteal nerve (L4,5,S1)
臀上神经(L4,5,S1)
至梨状肌的神经(S1,2) Nerve to piriformis (S1,2)
闭孔神经(L2,3,4) Obturator nerve (L2,3,4)
Accessory obturator nerve (L3, 4) (inconstant)
副闭孔神经(L3,4)(不恒定)
Inferior gluteal nerve (L5,S1,2)
臀下神经(L5,S1,S2)
Femoral nerve (L2,3,4) 股神经(L2,3,4)
Sciatic nerve 坐骨神经
Posterior femoral cutaneous nerve (S1,2,3)
股后皮神经(S1,2,3)
Pudendal nerve (S2,3,4)
阴部神经(S2,3,4)
Sciatic nerve 坐骨神经
Common fibular (peroneal) nerve (L4,5,S1,2)
腓总神经(L4,5,S1,S2)
Tibial nerve (L4,L5,S1~S3)
胫神经(L4,L5,S1~S3)
Rami communicantes
交通支
T12
L1
L2
L3
L4
L5
S1
S2
S3
S4
S5
Co
Sympatheic trunk
交感干
Lumbar plexus
腰丛
Sacral plexus
骶丛
Coccygeal plexus 尾丛
盆内脏神经(副交感神经)
Pelvic splanchnic nerves (parasympathetics)
Perforating cutaneous nerve (S2,3)
穿皮神经(S2,S3)
Nerve to levator ani and coccygeus (S3,4) 肛提肌和尾骨肌神经(S3,S4)
Perineal branch of 4th sacral nerve 第4骶神经的会阴支
Anococcygeal nerves 肛尾神经
Obturator nerve 闭孔神经
Inferior anal (rectal) nerve
肛(直肠)下神经
Dorsal nerve of penis/clitoris 阴茎/阴蒂背神经
Posterior femoral cutaneous nerve
股后皮神经
Perineal nerve and Posterior scrotal/labial branches
会阴神经和阴囊后神经/阴唇后神经
F. Netter M.D.

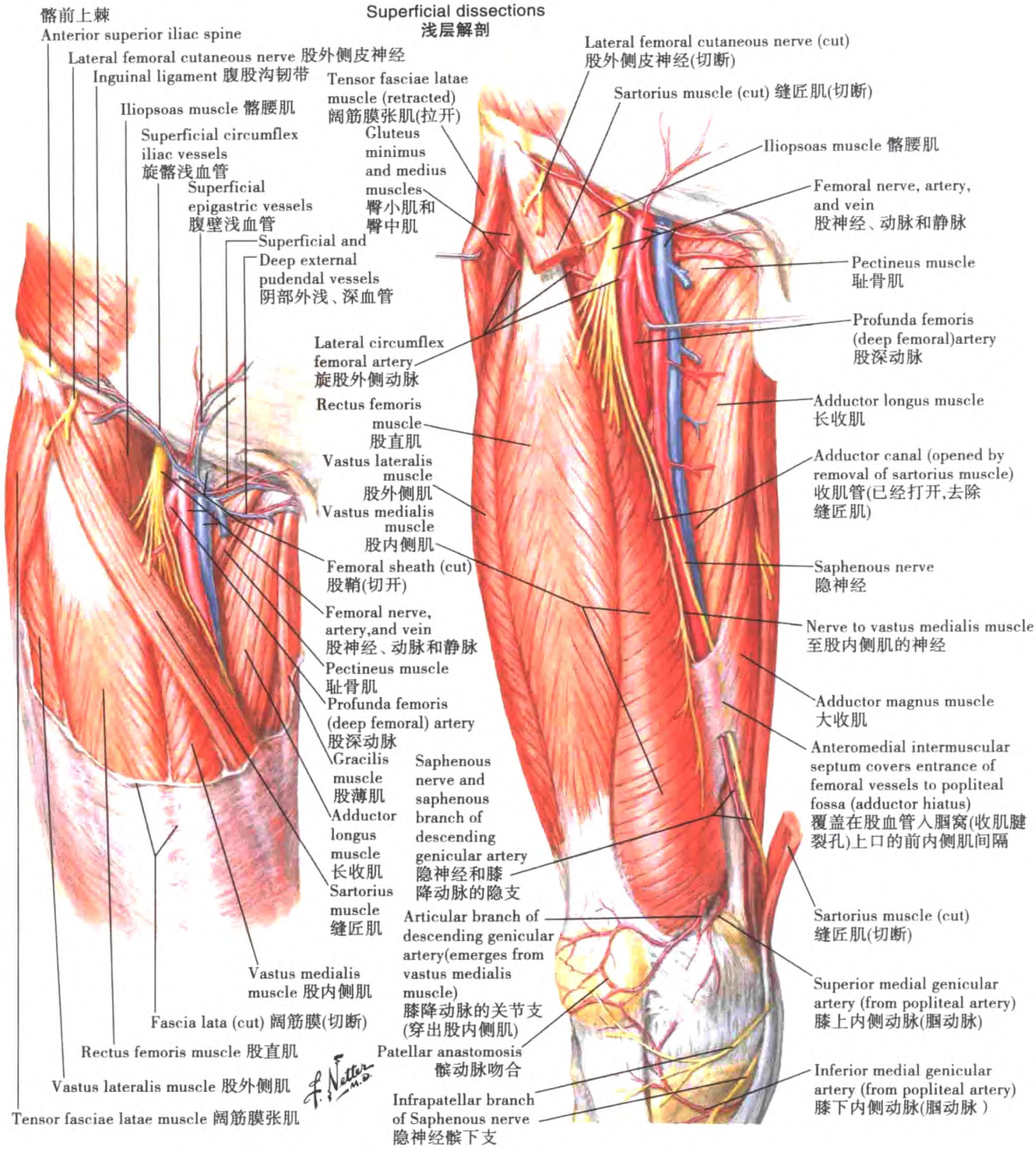

Schema
示意图
Subcostal nerve (T12)
肋下神经(T12)
T12
White and gray rami communicantes
白交通支和灰交通支
L1
Iliohypogastric nerve
髂腹下神经
Ilio-inguinal nerve
髂腹股沟神经
L2
Genitofemoral nerve
生殖股神经
Ventral rami of lumbar plexus spinal nerves
脊神经腰丛腹侧(前)支
L3
Lateral femoral cutaneous nerve
股外侧皮神经
Gray rami communicantes
灰交通支
L4
Muscular branches to psoas and iliacus muscles
至腰大肌和髂肌的肌支
Femoral nerve
股神经
L5
Accessory obturator nerve (often absent)
副闭孔神经(常缺如)
Obturator nerve
闭孔神经
Lumbosacral trunk 腰骶干
Anterior division 至前面的分支
Posterior division 至后面的分支


Diaphragm (cut)
膈(切断)
Subcostal nerve (T12)
肋下神经
Sympathetic trunk
交感干
Iliohypogastric nerve
髂腹下神经
Ilio-inguinal nerve
髂腹股沟神经
Genitofemoral nerve (cut)
生殖股神经(切断)
Lateral femoral cutaneous nerve
股外侧皮神经
Femoral nerve
股神经
Obturator nerve
闭孔神经
Psoas major muscle (cut)
腰大肌(切断)
Lumbosacral trunks
腰骶干
Inguinal ligament (Poupart's)
腹股沟(Poupart)韧带
L1
L2
L3
L4
L5
White and gray rami communicantes
白交通支和灰交通支
Subcostal nerve (T12)
肋下神经(T12)
Iliohypogastric nerve (T12,L1)
髂腹下神经(T12,L1)
Ilio-inguinal nerve (L1)
生殖股神经(L1)
Transversus abdominis muscle
腹横肌
Quadratus lumborum muscle
腰方肌
Psoas major muscle
腰大肌
Gray rami communicantes
灰交通支
Genitofemoral nerve (L1,2)
生殖股神经(L1,2)
Iliacus muscle
髂肌
Lateral femoral cutaneous nerve (L2,3)
股外侧皮神经(L2,3)
Femoral nerve (L2-4)
股神经(L2~L4)
Genital branch (L1) and Femoral branch (L2) of genitofemoral nerve
生殖股神经的生殖支(L1)和股支(L2)
Obturator nerve (L2-4)
闭孔神经(L2~L4)

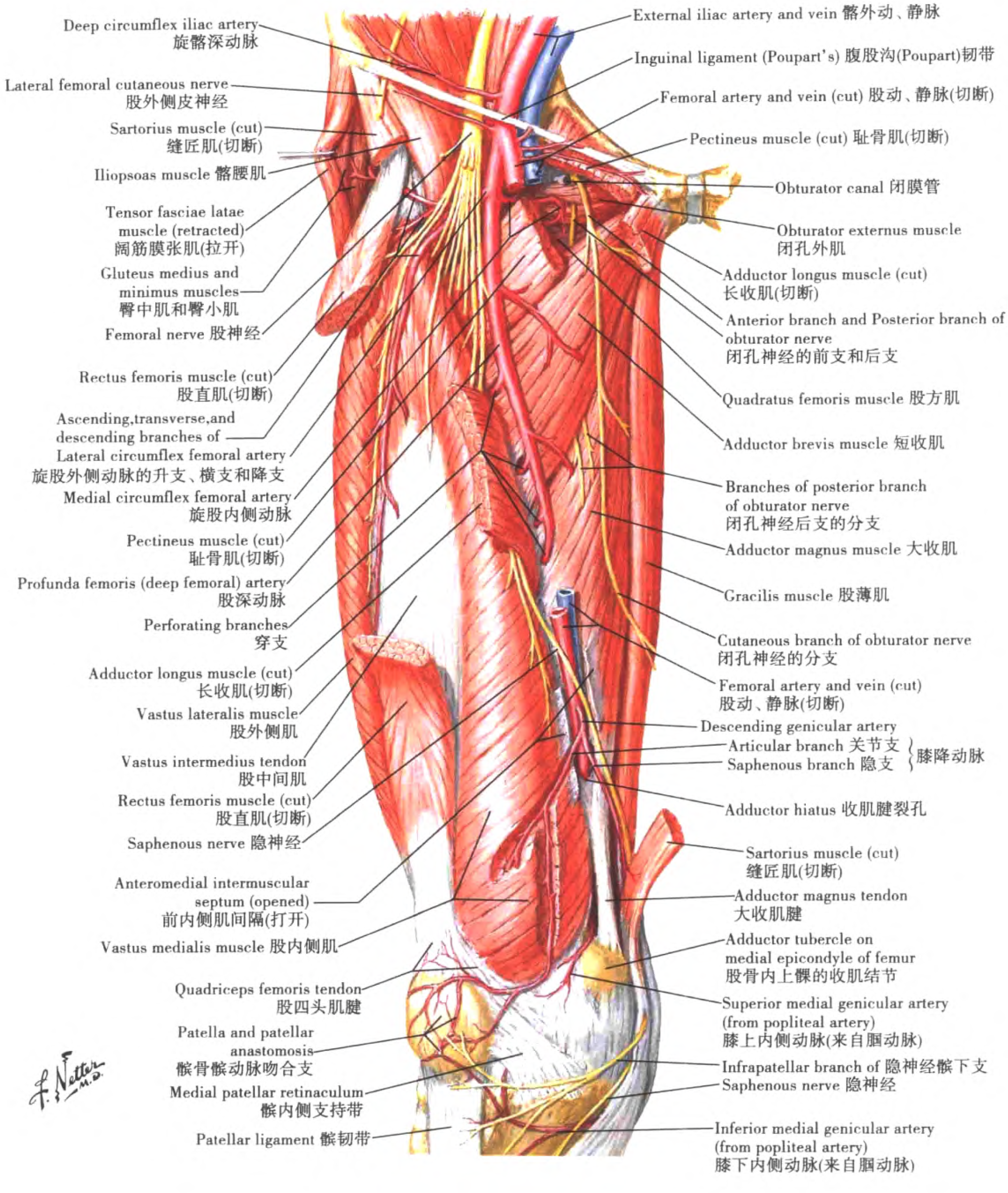




Topography:medial and slightly anterior view of hemisected pelvis
示意图:骨盆内侧面观及前侧面观

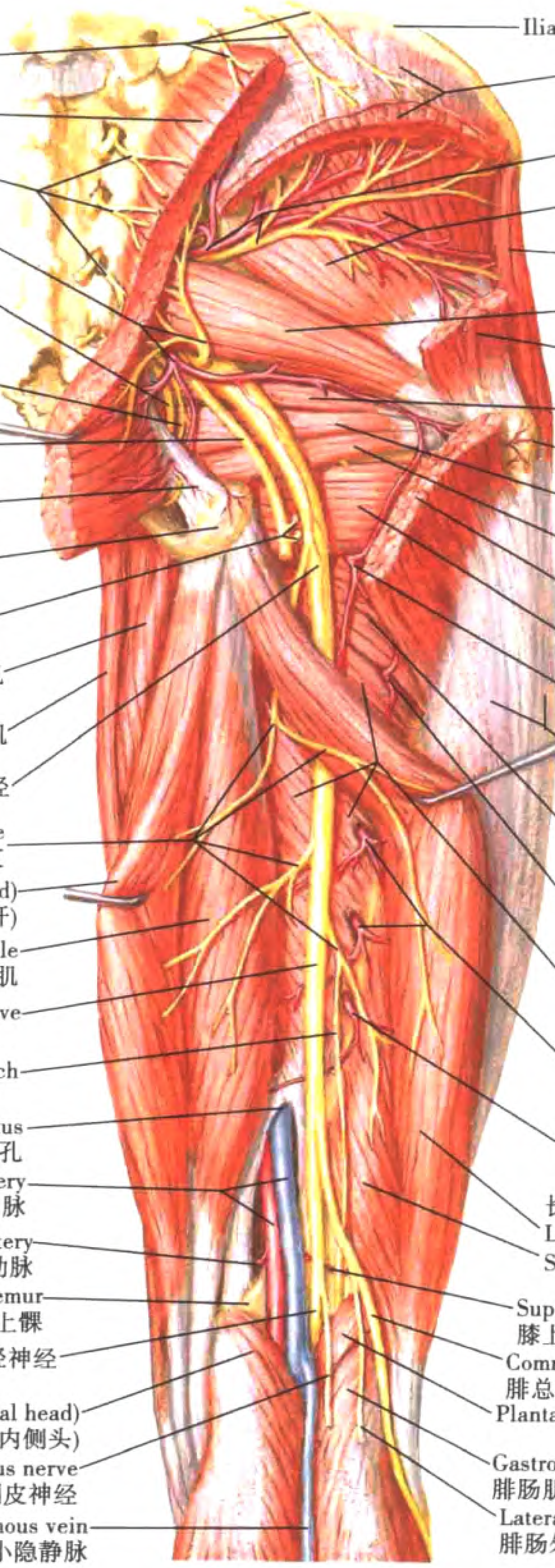

Superficial dissections
浅层解剖
髂前上棘
Anterior superior iliac spine
Lateral femoral cutaneous nerve 股外侧皮神经
Inguinal ligament 腹股沟韧带
Iliopsoas muscle 髂腰肌
Superficial circumflex iliac vessels 旋髂浅血管
Superficial epigastric vessels 腹壁浅血管
Superficial and Deep external pudendal vessels 阴部外浅、深血管
Tensor fasciae latae muscle (retracted) 阔筋膜张肌(拉开)
Gluteus minimus and medius muscles 臀小肌和臀中肌
Lateral circumflex femoral artery 旋股外侧动脉
Rectus femoris muscle 股直肌
Vastus lateralis muscle 股外侧肌
Vastus medialis muscle 股内侧肌
Femoral sheath (cut) 股鞘(切开)
Femoral nerve, artery,and vein 股神经、动脉和静脉
Pectineus muscle 耻骨肌
Profunda femoris (deep femoral) artery 股深动脉
Gracilis muscle 股薄肌
Adductor longus muscle 长收肌
Sartorius muscle 缝匠肌
Saphenous nerve and saphenous branch of descending genicular artery 隐神经和膝降动脉的隐支
Articular branch of descending genicular artery(emerges from vastus medialis muscle) 膝降动脉的关节支(穿出股内侧肌)
Patellar anastomosis 髌动脉吻合
Infrapatellar branch of Saphenous nerve 隐神经髌下支
Vastus medialis muscle 股内侧肌
Fascia lata (cut) 阔筋膜(切断)
Rectus femoris muscle 股直肌
Vastus lateralis muscle 股外侧肌
Tensor fasciae latae muscle 阔筋膜张肌
Lateral femoral cutaneous nerve (cut) 股外侧皮神经(切断)
Sartorius muscle (cut) 缝匠肌(切断)
Iliopsoas muscle 髂腰肌
Femoral nerve, artery, and vein 股神经、动脉和静脉
Pectineus muscle 耻骨肌
Profunda femoris (deep femoral)artery 股深动脉
Adductor longus muscle 长收肌
Adductor canal (opened by removal of sartorius muscle) 收肌管(已经打开,去除缝匠肌)
Saphenous nerve 隐神经
Nerve to vastus medialis muscle 至股内侧肌的神经
Adductor magnus muscle 大收肌
Anteromedial intermuscular septum covers entrance of femoral vessels to popliteal fossa (adductor hiatus) 覆盖在股血管入腘窝(收肌腱裂孔)上口的前内侧肌间隔
Sartorius muscle (cut) 缝匠肌(切断)
Superior medial genicular artery (from popliteal artery) 膝上内侧动脉(腘动脉)
Inferior medial genicular artery (from popliteal artery) 膝下内侧动脉(腘动脉)

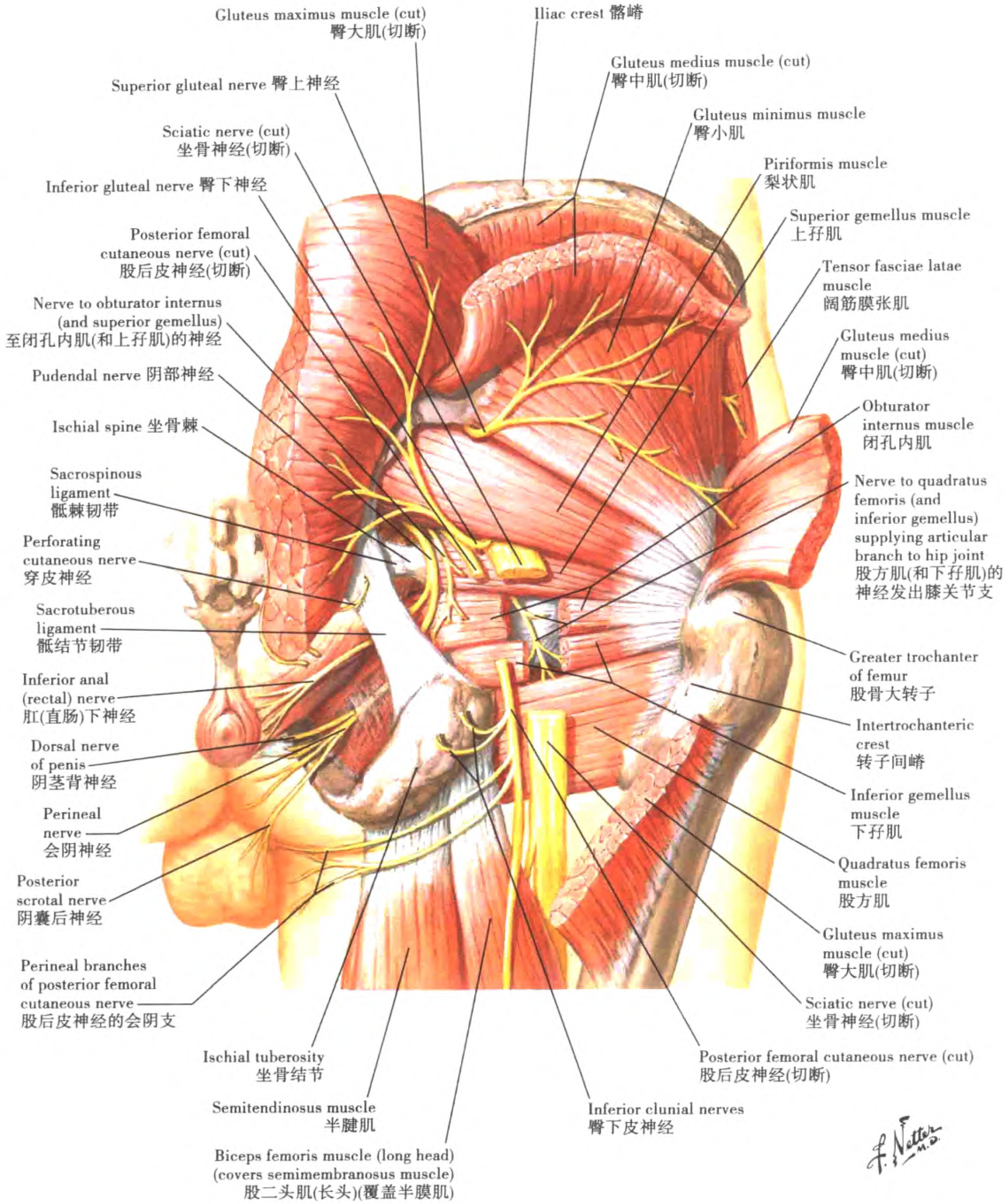
Deep dissection
深层解剖



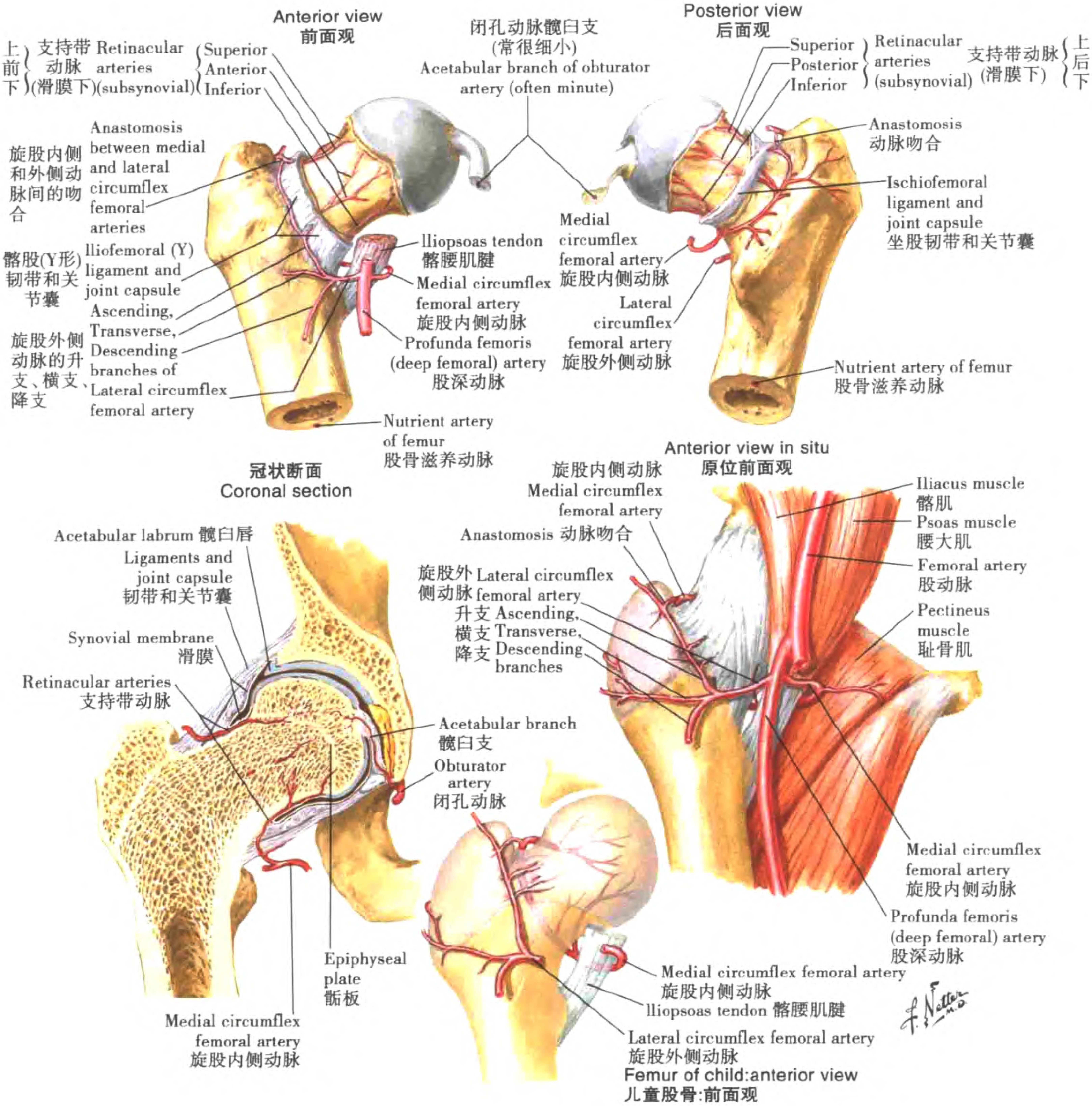
参见图 527

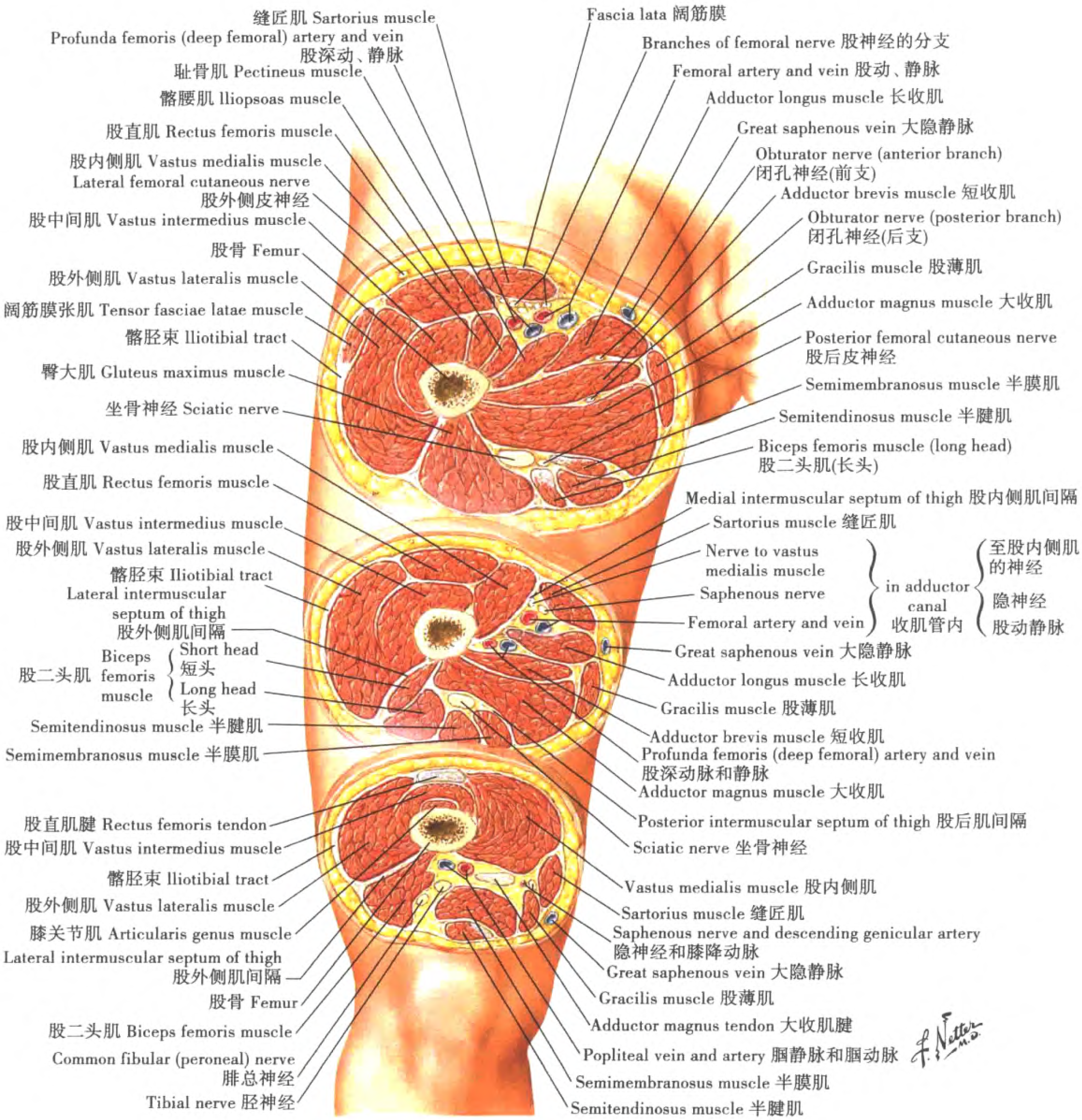
Deep dissection
深层解剖

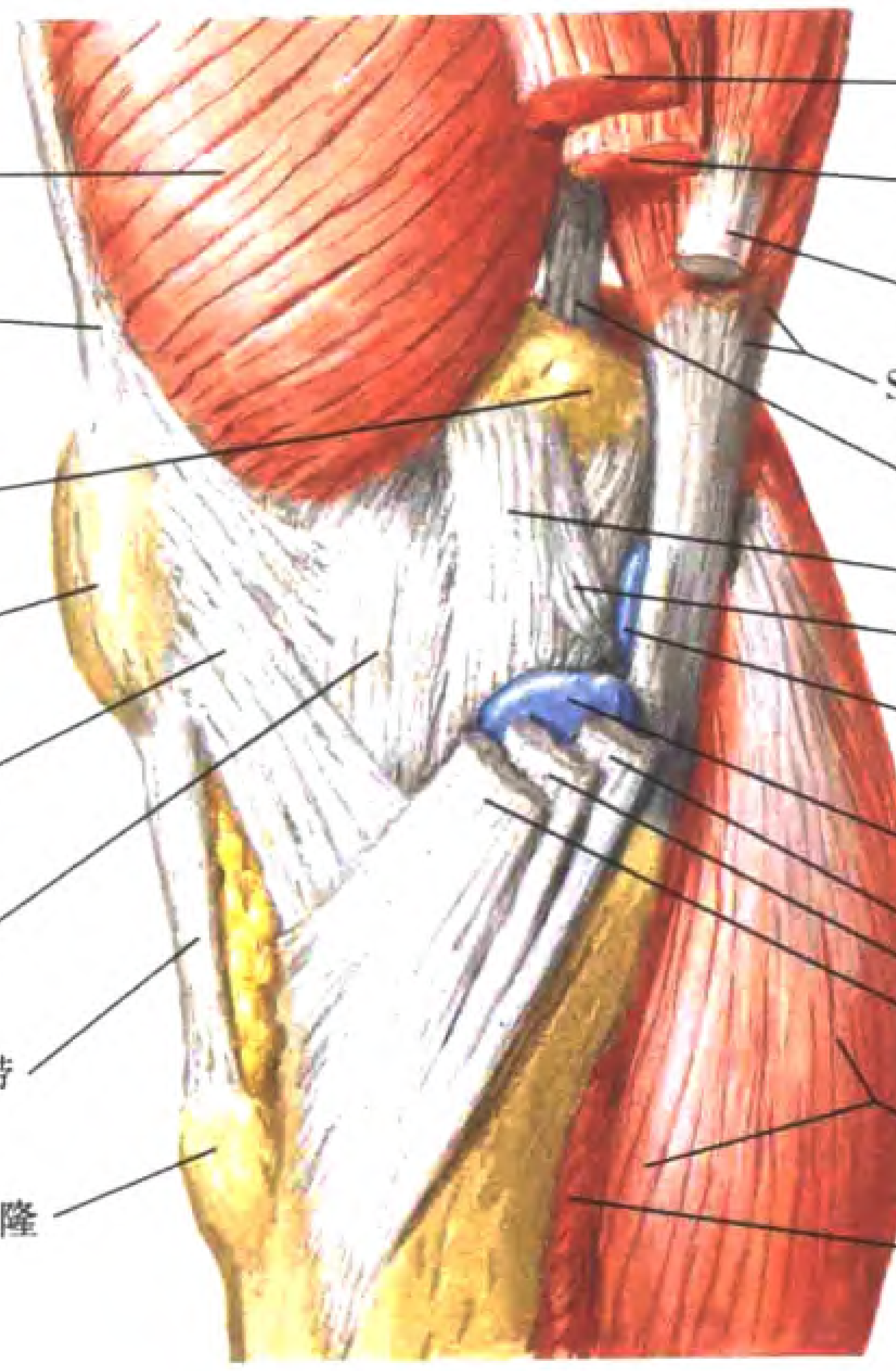


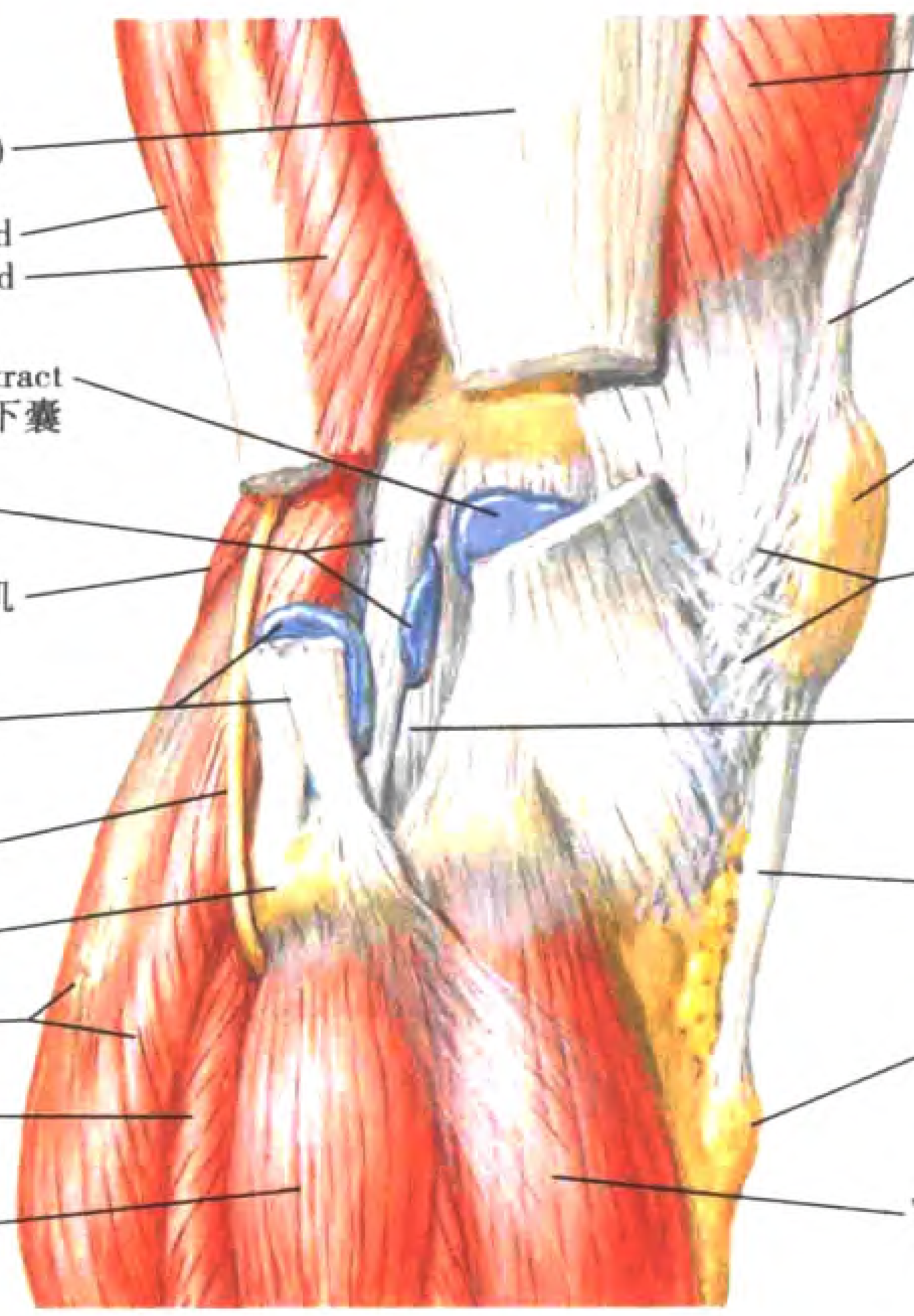

Gluteus maximus muscle (cut)
臀大肌(切断)
Iliac crest 髂嵴
Gluteus medius muscle (cut)
臀中肌(切断)
Superior gluteal nerve 臀上神经
Gluteus minimus muscle
臀小肌
Sciatic nerve (cut)
坐骨神经(切断)
Piriformis muscle
梨状肌
Inferior gluteal nerve 臀下神经
Superior gemellus muscle
上孖肌
Posterior femoral cutaneous nerve (cut)
股后皮神经(切断)
Tensor fasciae latae muscle
阔筋膜张肌
Nerve to obturator internus (and superior gemellus)
至闭孔内肌(和上孖肌)的神经
Gluteus medius muscle (cut)
臀中肌(切断)
Pudendal nerve 阴部神经
Obturator internus muscle
闭孔内肌
Ischial spine 坐骨棘
Sacrospinous ligament
骶棘韧带
Nerve to quadratus femoris (and inferior gemellus) supplying articular branch to hip joint
股方肌(和下孖肌)的神经发出膝关节支
Perforating cutaneous nerve
穿皮神经
Sacrotuberous ligament
骶结节韧带
Greater trochanter of femur
股骨大转子
Inferior anal (rectal) nerve
肛(直肠)下神经
Intertrochanteric crest
转子间嵴
Dorsal nerve of penis
阴茎背神经
Inferior gemellus muscle
下孖肌
Perineal nerve
会阴神经
Quadratus femoris muscle
股方肌
Posterior scrotal nerve
阴囊后神经
Gluteus maximus muscle (cut)
臀大肌(切断)
Perineal branches of posterior femoral cutaneous nerve
股后皮神经的会阴支
Sciatic nerve (cut)
坐骨神经(切断)
Ischial tuberosity
坐骨结节
Posterior femoral cutaneous nerve (cut)
股后皮神经(切断)
Semitendinosus muscle
半腱肌
Inferior clunial nerves
臀下皮神经
Biceps femoris muscle (long head) (covers semimembranosus muscle)
股二头肌(长头)(覆盖半膜肌)
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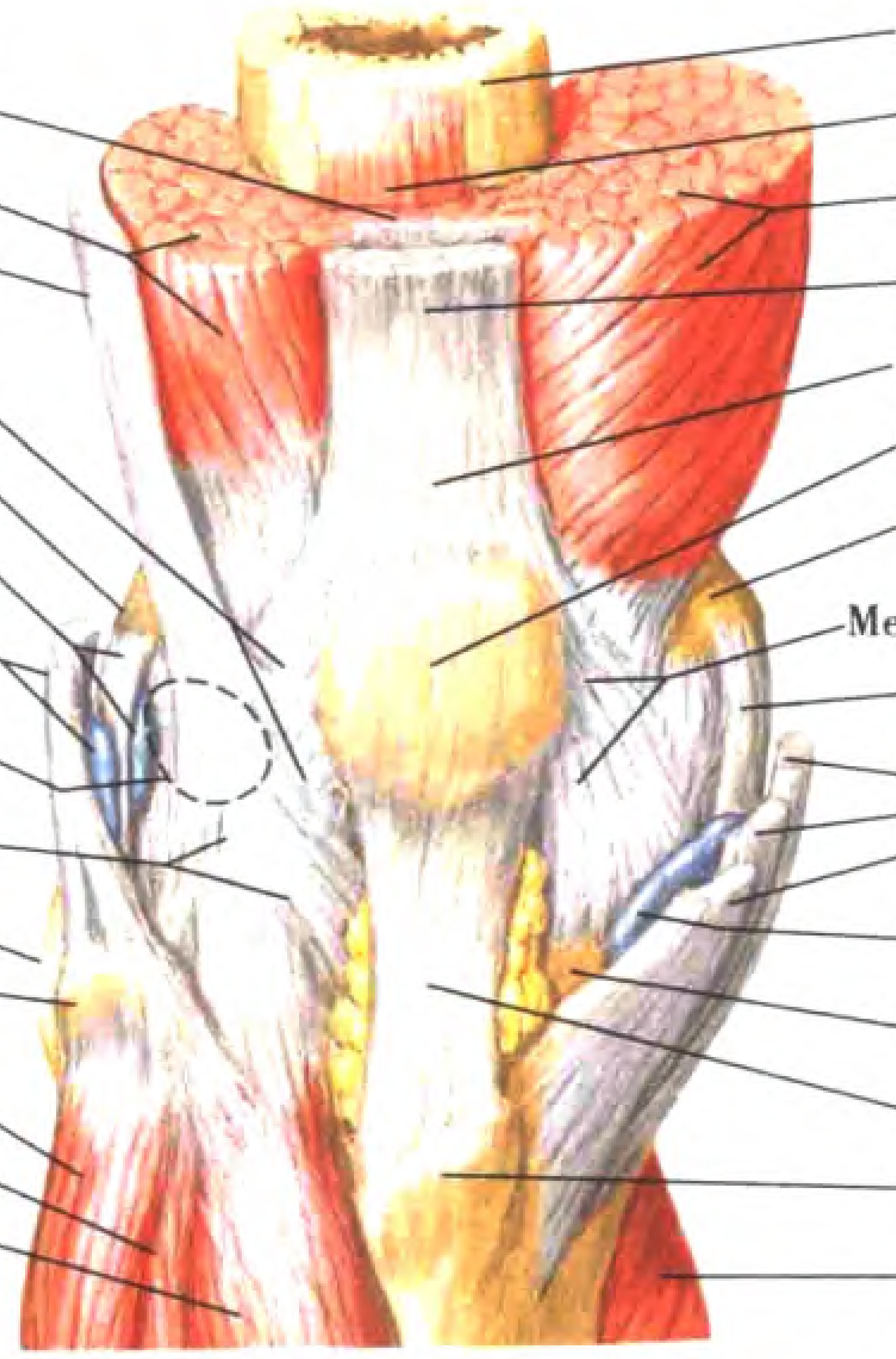
参见图 499，530


Anterior view
前面观
上
前
下
支持带动脉（滑膜下）
Retinacular arteries (subsynovial)
Superior
Anterior
Inferior
Anastomosis between medial and lateral circumflex femoral arteries
旋股内侧和外侧动脉间的吻合
Iliofemoral (Y) ligament and joint capsule
髂股(Y形)韧带和关节囊
Ascending, Transverse, Descending branches of Lateral circumflex femoral artery
旋股外侧动脉的升支、横支、降支
Iliopsoas tendon
髂腰肌腱
Medial circumflex femoral artery
旋股内侧动脉
Profunda femoris (deep femoral) artery
股深动脉
Nutrient artery of femur
股骨滋养动脉
闭孔动脉髋臼支
(常很细小)
Acetabular branch of obturator artery (often minute)
Posterior view
后面观
Superior
Posterior
Inferior
Retinacular arteries (subsynovial)
支持带动脉（滑膜下）
上
后
下
Anastomosis
动脉吻合
Ischiofemoral ligament and joint capsule
坐股韧带和关节囊
Medial circumflex femoral artery
旋股内侧动脉
Lateral circumflex femoral artery
旋股外侧动脉
Nutrient artery of femur
股骨滋养动脉
冠状断面
Coronal section
Acetabular labrum 髋臼唇
Ligaments and joint capsule
韧带和关节囊
Synovial membrane
滑膜
Retinacular arteries
支持带动脉
Acetabular branch
髋臼支
Obturator artery
闭孔动脉
Epiphyseal plate
骺板
Medial circumflex femoral artery
旋股内侧动脉
Anterior view in situ
原位前面观
旋股内侧动脉
Medial circumflex femoral artery
Anastomosis 动脉吻合
旋股外侧动脉 Lateral circumflex femoral artery
升支 Ascending,
横支 Transverse,
降支 Descending branches
Iliacus muscle
髂肌
Psoas muscle
腰大肌
Femoral artery
股动脉
Pectineus muscle
耻骨肌
Medial circumflex femoral artery
旋股内侧动脉
Profunda femoris (deep femoral) artery
股深动脉
Medial circumflex femoral artery
旋股内侧动脉
Iliopsoas tendon 髂腰肌腱
Lateral circumflex femoral artery
旋股外侧动脉
Femur of child:anterior view
儿童股骨:前面观


缝匠肌 Sartorius muscle
Profunda femoris (deep femoral) artery and vein 股深动、静脉
耻骨肌 Pectineus muscle
髂腰肌 Iliopsoas muscle
股直肌 Rectus femoris muscle
股内侧肌 Vastus medialis muscle
Lateral femoral cutaneous nerve 股外侧皮神经
股中间肌 Vastus intermedius muscle
股骨 Femur
股外侧肌 Vastus lateralis muscle
阔筋膜张肌 Tensor fasciae latae muscle
髂胫束 Iliotibial tract
臀大肌 Gluteus maximus muscle
坐骨神经 Sciatic nerve
Fascia lata 阔筋膜
Branches of femoral nerve 股神经的分支
Femoral artery and vein 股动、静脉
Adductor longus muscle 长收肌
Great saphenous vein 大隐静脉
Obturator nerve (anterior branch) 闭孔神经(前支)
Adductor brevis muscle 短收肌
Obturator nerve (posterior branch) 闭孔神经(后支)
Gracilis muscle 股薄肌
Adductor magnus muscle 大收肌
Posterior femoral cutaneous nerve 股后皮神经
Semimembranosus muscle 半膜肌
Semitendinosus muscle 半腱肌
Biceps femoris muscle (long head) 股二头肌(长头)
股内侧肌 Vastus medialis muscle
股直肌 Rectus femoris muscle
股中间肌 Vastus intermedius muscle
股外侧肌 Vastus lateralis muscle
髂胫束 Iliotibial tract
Lateral intermuscular septum of thigh 股外侧肌间隔
股二头肌 Biceps femoris muscle
Short head 短头
Long head 长头
Semitendinosus muscle 半腱肌
Semimembranosus muscle 半膜肌
Medial intermuscular septum of thigh 股内侧肌间隔
Sartorius muscle 缝匠肌
Nerve to vastus medialis muscle
Saphenous nerve
Femoral artery and vein
in adductor canal 收肌管内
至股内侧肌的神经
隐神经
股动静脉
Great saphenous vein 大隐静脉
Adductor longus muscle 长收肌
Gracilis muscle 股薄肌
Adductor brevis muscle 短收肌
Profunda femoris (deep femoral) artery and vein 股深动脉和静脉
Adductor magnus muscle 大收肌
Posterior intermuscular septum of thigh 股后肌间隔
Sciatic nerve 坐骨神经
股直肌腱 Rectus femoris tendon
股中间肌 Vastus intermedius muscle
髂胫束 Iliotibial tract
股外侧肌 Vastus lateralis muscle
膝关节肌 Articularis genus muscle
Lateral intermuscular septum of thigh 股外侧肌间隔
股骨 Femur
股二头肌 Biceps femoris muscle
Common fibular (peroneal) nerve 腓总神经
Tibial nerve 胫神经
Vastus medialis muscle 股内侧肌
Sartorius muscle 缝匠肌
Saphenous nerve and descending genicular artery 隐神经和膝降动脉
Great saphenous vein 大隐静脉
Gracilis muscle 股薄肌
Adductor magnus tendon 大收肌腱
Popliteal vein and artery 腘静脉和腘动脉
Semimembranosus muscle 半膜肌
Semitendinosus muscle 半腱肌
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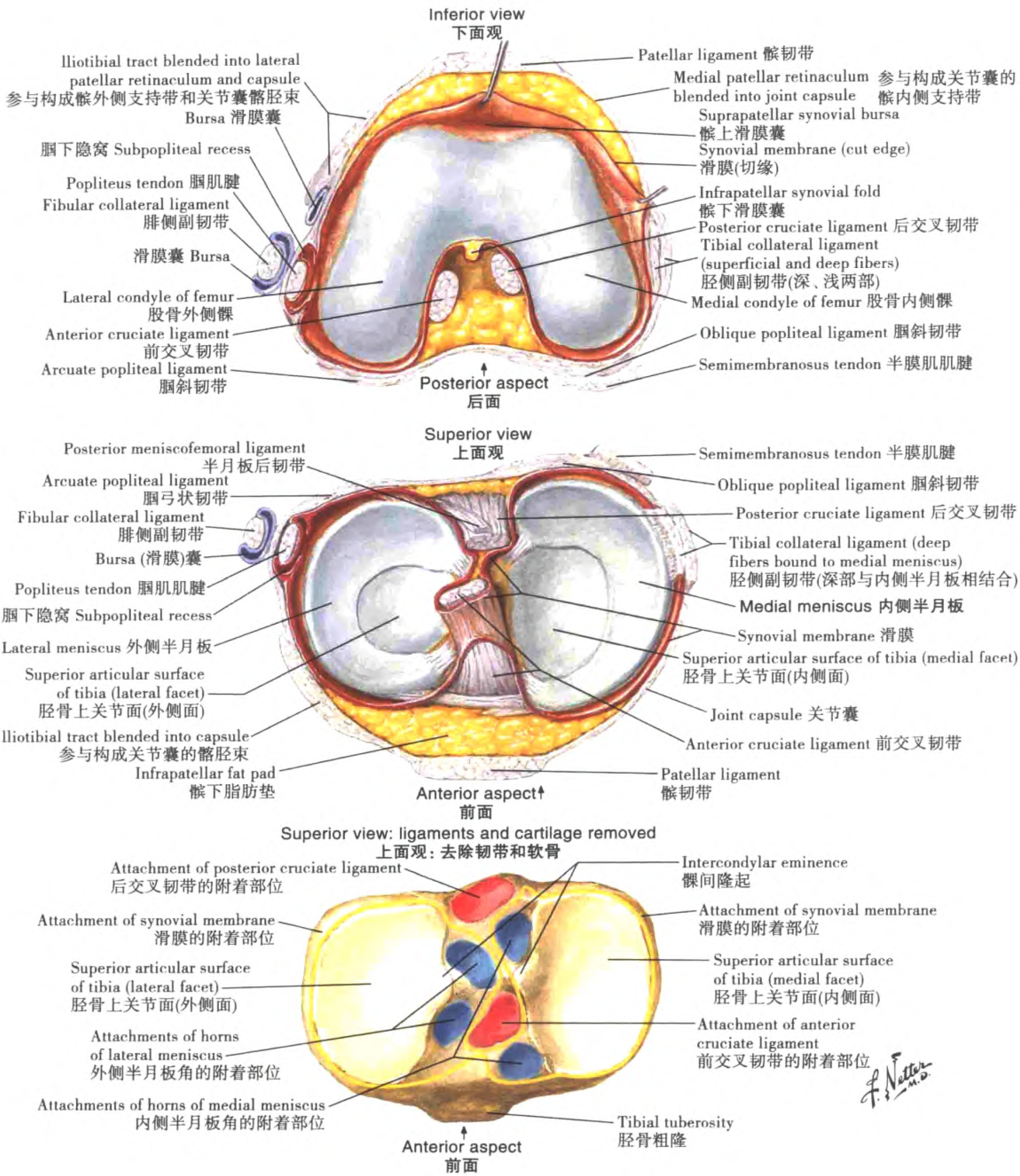

Medial view
内侧面观
Vastus medialis muscle 股内侧肌
Quadriceps femoris tendon 股四头肌腱
Medial epicondyle of femur 股骨内上髁
Patella 髌骨
Medial patellar retinaculum 髌内侧支持带
Joint capsule 关节囊
Patellar ligament 髌韧带
Tibial tuberosity 胫骨粗隆
Sartorius muscle (cut) 缝匠肌(切断)
Gracilis muscle (cut) 股薄肌(切断)
Tendon of semitendinosus muscle (cut) 半腱肌腱(切断)
Semimembranosus muscle and tendon 半膜肌及其肌腱
Adductor magnus tendon 大收肌
Parallel fibers 平行纤维
Oblique fibers 斜纤维
Tibial collateral ligament 胫侧副韧带
Semimembranosus bursa 半膜肌囊
Anserine bursa deep to 鹅足下囊
Semitendinosus, 半腱肌腱
Gracilis, and 股薄肌腱
Sartorius tendons 缝匠肌腱
Pes anserinus 鹅足腱
Gastrocnemius muscle 腓肠肌
Soleus muscle 比目鱼肌


Lateral view
外侧面观
Iliotibial tract (cut) 髂胫束(切断)
Biceps femoris muscle (cut) 股二头肌(切断)
Long head 长头
Short head 短头
Bursa deep to iliotibial tract 髂胫束下囊
Fibular collateral ligament and bursa deep to it 腓侧副韧带及其下囊
Plantaris muscle 跖肌
Biceps femoris tendon and its inferior subtendinous bursa 股二头肌腱及其下腱下囊
Common fibular (peroneal) nerve 腓总神经
Head of fibula 腓骨头
Gastrocnemius muscle 腓肠肌
Soleus muscle 比目鱼肌
Fibularis (peroneus) longus muscle 腓骨长肌
Vastus lateralis muscle 股外侧肌
Quadriceps femoris tendon 股四头肌腱
Patella 髌骨
Lateral patellar retinaculum 髌外侧支持带
Joint capsule of knee 膝关节囊
Patellar ligament 髌韧带
Tibial tuberosity 胫骨粗隆
Tibialis anterior muscle 胫骨前肌

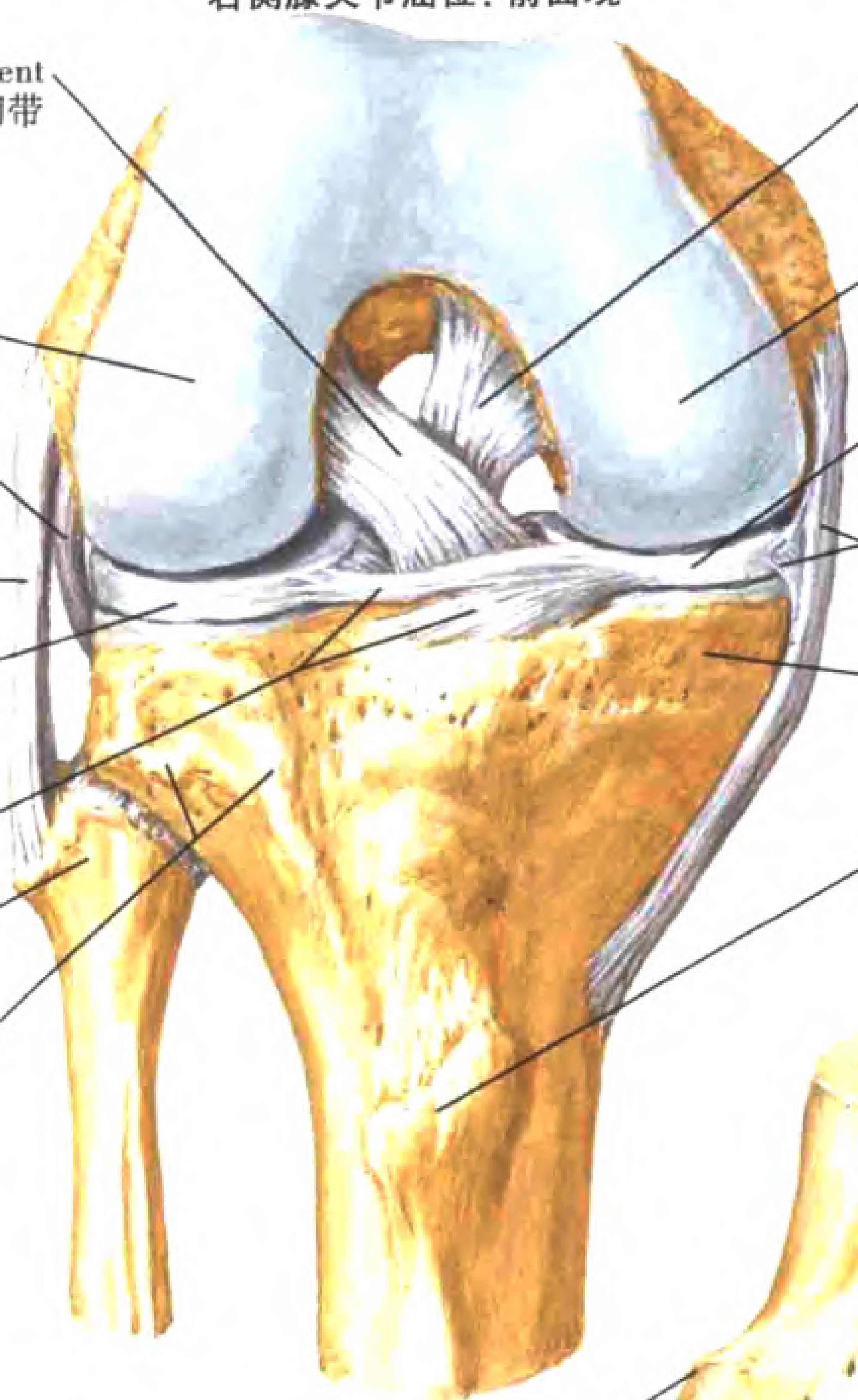

右膝伸位
Right knee in extension
Vastus intermedius muscle 股中间肌
股外侧肌 Vastus lateralis muscle
Iliotibial tract 髂胫束
髌外侧支持带 Lateral patellar retinaculum
Lateral epicondyle of femur 股骨外上髁
Fibular collateral ligament and bursa
腓侧副韧带及其下囊
Biceps femoris tendon and its
inferior subtendinous bursa
股二头肌腱及其下腱下囊
Dashed oval indicates bursa deep to iliotibial tract
卵圆形虚线示髂胫束下囊
Insertion of iliotibial tract to Gerdy's
tubercle and oblique line of tibia
髂胫束止于Gerdy结节和胫骨斜线
Common fibular (peroneal) nerve 腓总神经
Head of fibula 腓骨头
Fibularis (peroneus) longus muscle 腓骨长肌
Extensor digitorum longus muscle 趾长伸肌
Tibialis anterior muscle 胫骨前肌
Femur 股骨
Articularis genus muscle 膝关节肌
Vastus medialis muscle 股内侧肌
Rectus femoris tendon becoming 股直肌腱变为股四
Quadriceps femoris tendon 头肌腱
Patella 髌骨
Medial epicondyle of femur 股骨内上髁
Medial patellar retinaculum 髌内侧支持带
Tibial collateral ligament 胫侧副韧带
Semitendinosus, Gracilis, and Sartorius tendons
Pes anserinus 鹅足腱
半腱肌腱 股薄肌腱 缝匠肌腱
Anserine bursa 鹅足囊
Medial condyle of tibia 胫骨内侧髁
Patellar ligament 髌韧带
Tibial tuberosity 胫骨粗隆
Gastrocnemius muscle
腓肠肌


Joint opened,
knee slightly in flexion
膝关节打开:半屈位
Femur 股骨
Articularis genus muscle 膝关节肌
Synovial membrane (cut edge)
滑膜(切缘)
Lateral condyle of femur
股骨外侧髁
Origin of popliteus tendon
(covered by synovial membrane)
腘肌腱起点(由滑膜覆盖)
腘下隐窝 Subpopliteal recess
Lateral meniscus 外侧半月板
腓侧副韧带 Fibular collateral ligament
腓骨头 Head of fibula
Patella (articular surface
on posterior aspect)
髌骨(后面的关节面)
Vastus lateralis muscle
(reflected inferiorly)
股外侧肌(翻向下)
Suprapatellar (synovial) bursa 髌上(滑膜)囊
Cruciate ligaments (covered by synovial membrane)
交叉韧带(由滑膜覆盖)
Medial condyle of femur 股骨内侧髁
Infrapatellar synovial fold 髌下滑膜襞
Medial meniscus 内侧半月板
Alar folds (cut) 翼状襞(切开)
Infrapatellar fat pads (lined by synovial membrane)
髌下脂肪垫(由滑膜覆盖)
Suprapatellar (synovial) bursa (roof reflected)
髌上(滑膜)囊(顶部翻开)
Vastus medialis muscle (reflected inferiorly)
股内侧肌(翻向下)

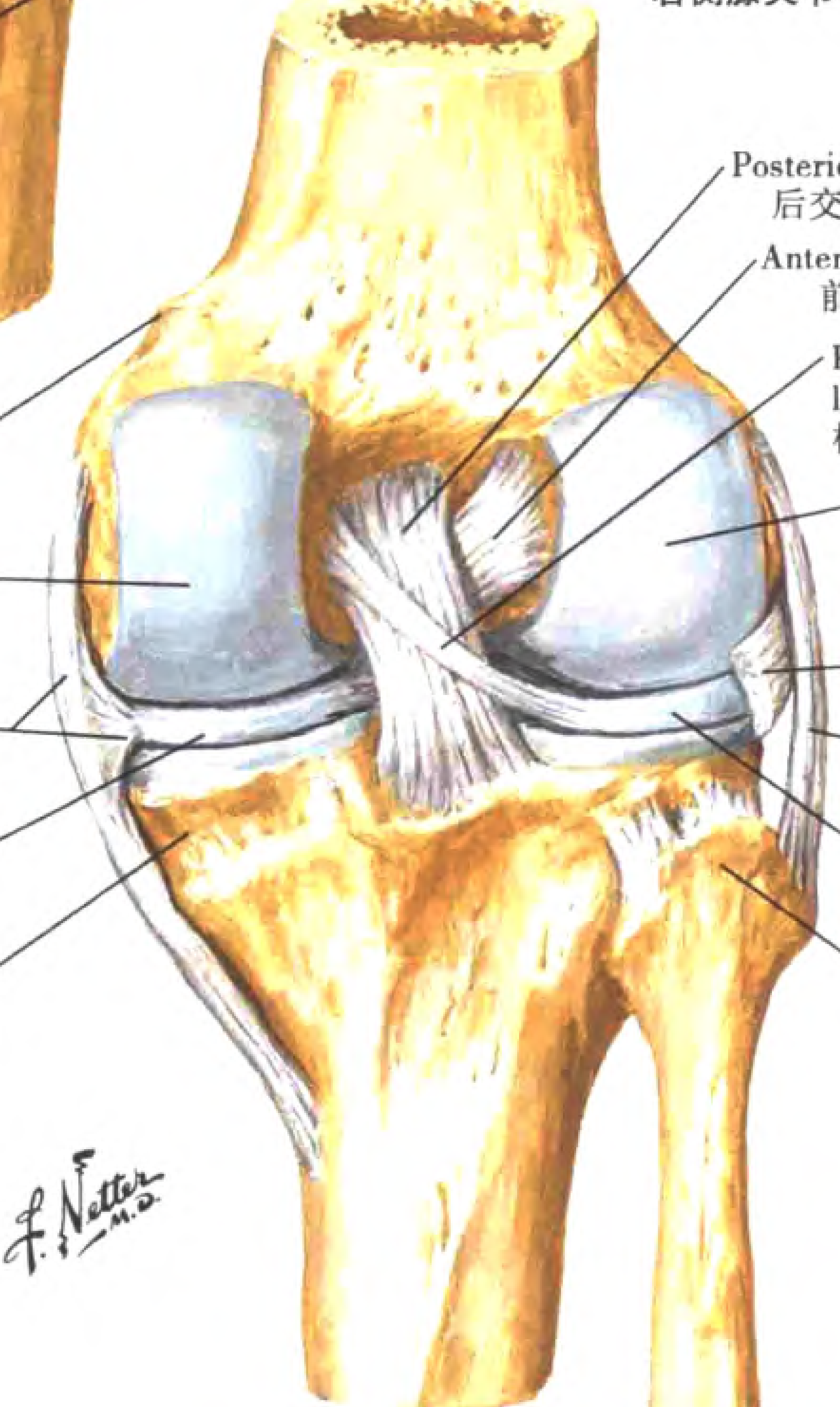
参见图 501


Inferior view
下面观
Iliotibial tract blended into lateral patellar retinaculum and capsule
参与构成髌外侧支持带和关节囊髂胫束
Bursa 滑膜囊
腘下隐窝 Subpopliteal recess
Popliteus tendon 腘肌腱
Fibular collateral ligament
腓侧副韧带
滑膜囊 Bursa
Lateral condyle of femur
股骨外侧髁
Anterior cruciate ligament
前交叉韧带
Arcuate popliteal ligament
腘斜韧带
Posterior aspect
后面
Patellar ligament 髌韧带
Medial patellar retinaculum blended into joint capsule
参与构成关节囊的髌内侧支持带
Suprapatellar synovial bursa
髌上滑膜囊
Synovial membrane (cut edge)
滑膜(切缘)
Infrapatellar synovial fold
髌下滑膜囊
Posterior cruciate ligament 后交叉韧带
Tibial collateral ligament (superficial and deep fibers)
胫侧副韧带(深、浅两部)
Medial condyle of femur 股骨内侧髁
Oblique popliteal ligament 腘斜韧带
Semimembranosus tendon 半膜肌肌腱
Superior view
上面观
Posterior meniscofemoral ligament
半月板后韧带
Arcuate popliteal ligament
腘弓状韧带
Fibular collateral ligament
腓侧副韧带
Bursa (滑膜)囊
Popliteus tendon 腘肌肌腱
腘下隐窝 Subpopliteal recess
Lateral meniscus 外侧半月板
Superior articular surface of tibia (lateral facet)
胫骨上关节面(外侧面)
Iliotibial tract blended into capsule
参与构成关节囊的髂胫束
Infrapatellar fat pad
髌下脂肪垫
Anterior aspect
前面
Semimembranosus tendon 半膜肌腱
Oblique popliteal ligament 腘斜韧带
Posterior cruciate ligament 后交叉韧带
Tibial collateral ligament (deep fibers bound to medial meniscus)
胫侧副韧带(深部与内侧半月板相结合)
Medial meniscus 内侧半月板
Synovial membrane 滑膜
Superior articular surface of tibia (medial facet)
胫骨上关节面(内侧面)
Joint capsule 关节囊
Anterior cruciate ligament 前交叉韧带
Patellar ligament
髌韧带
Superior view: ligaments and cartilage removed
上面观：去除韧带和软骨
Attachment of posterior cruciate ligament
后交叉韧带的附着部位
Attachment of synovial membrane
滑膜的附着部位
Superior articular surface of tibia (lateral facet)
胫骨上关节面(外侧面)
Attachments of horns of lateral meniscus
外侧半月板角的附着部位
Attachments of horns of medial meniscus
内侧半月板角的附着部位
Anterior aspect
前面
Intercondylar eminence
髁间隆起
Attachment of synovial membrane
滑膜的附着部位
Superior articular surface of tibia (medial facet)
胫骨上关节面(内侧面)
Attachment of anterior cruciate ligament
前交叉韧带的附着部位
Tibial tuberosity
胫骨粗隆

Right knee in flexion:anterior view
右侧膝关节屈位：前面观

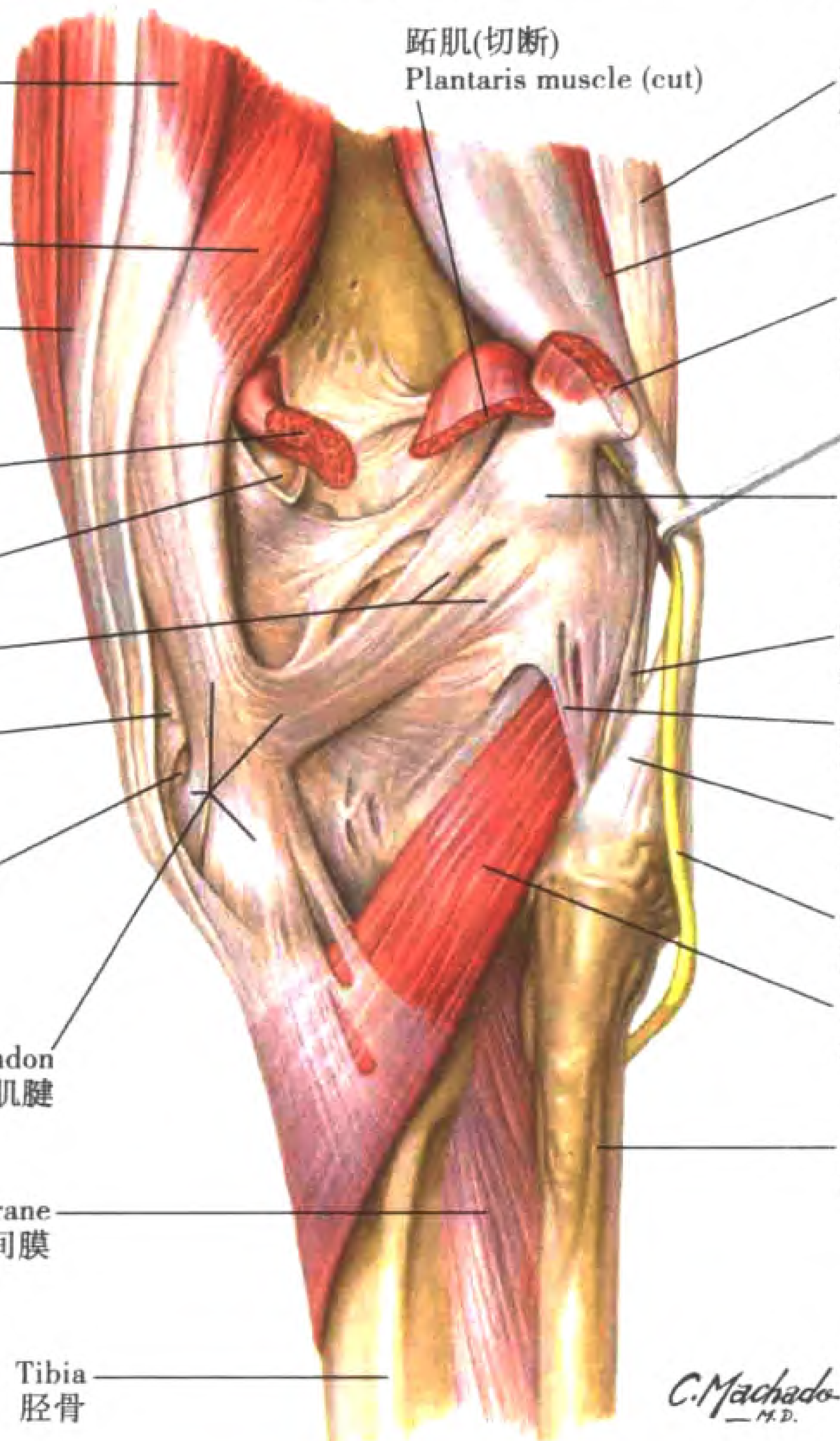


Right knee in extension:posterior view
右侧膝关节伸位：后面观

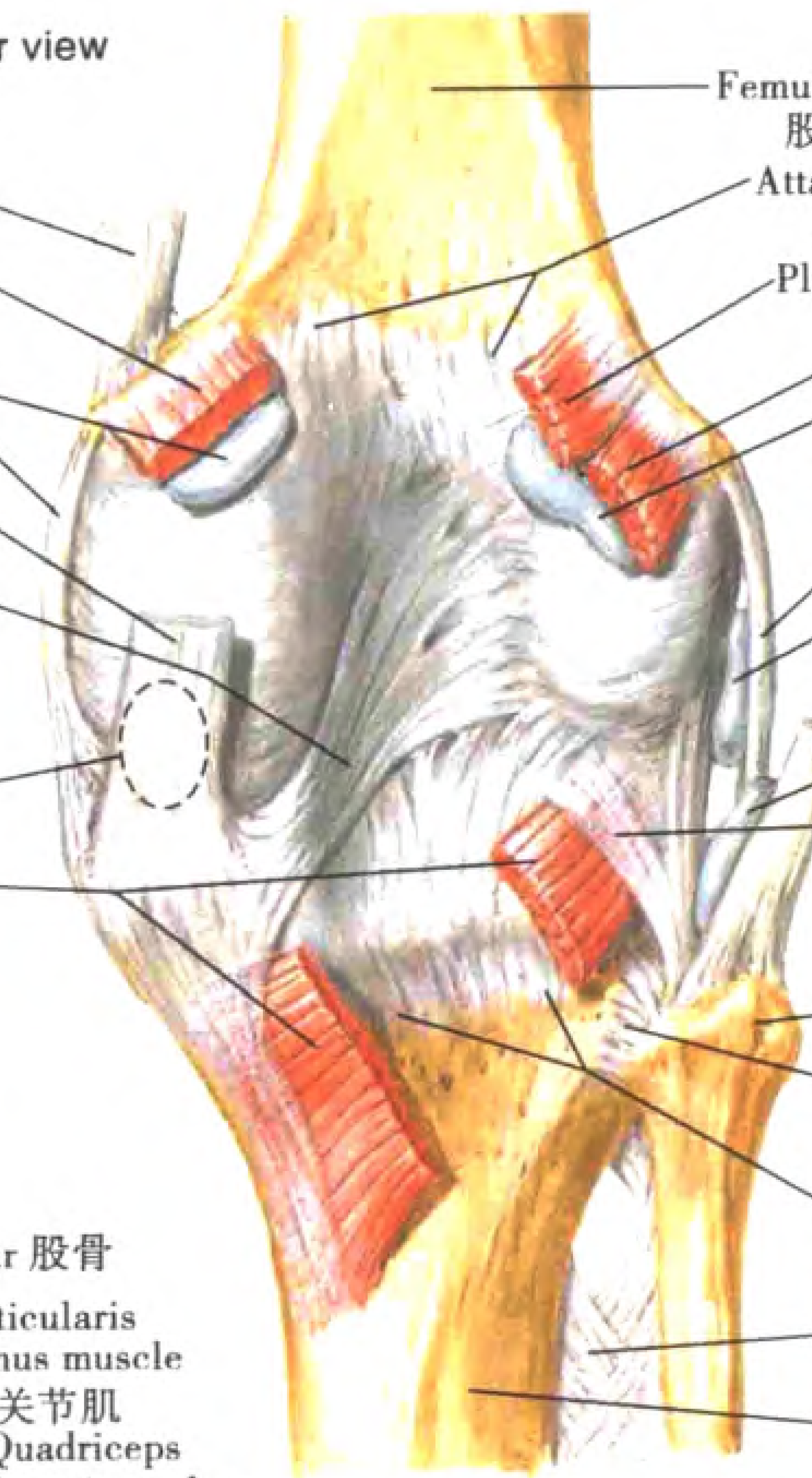


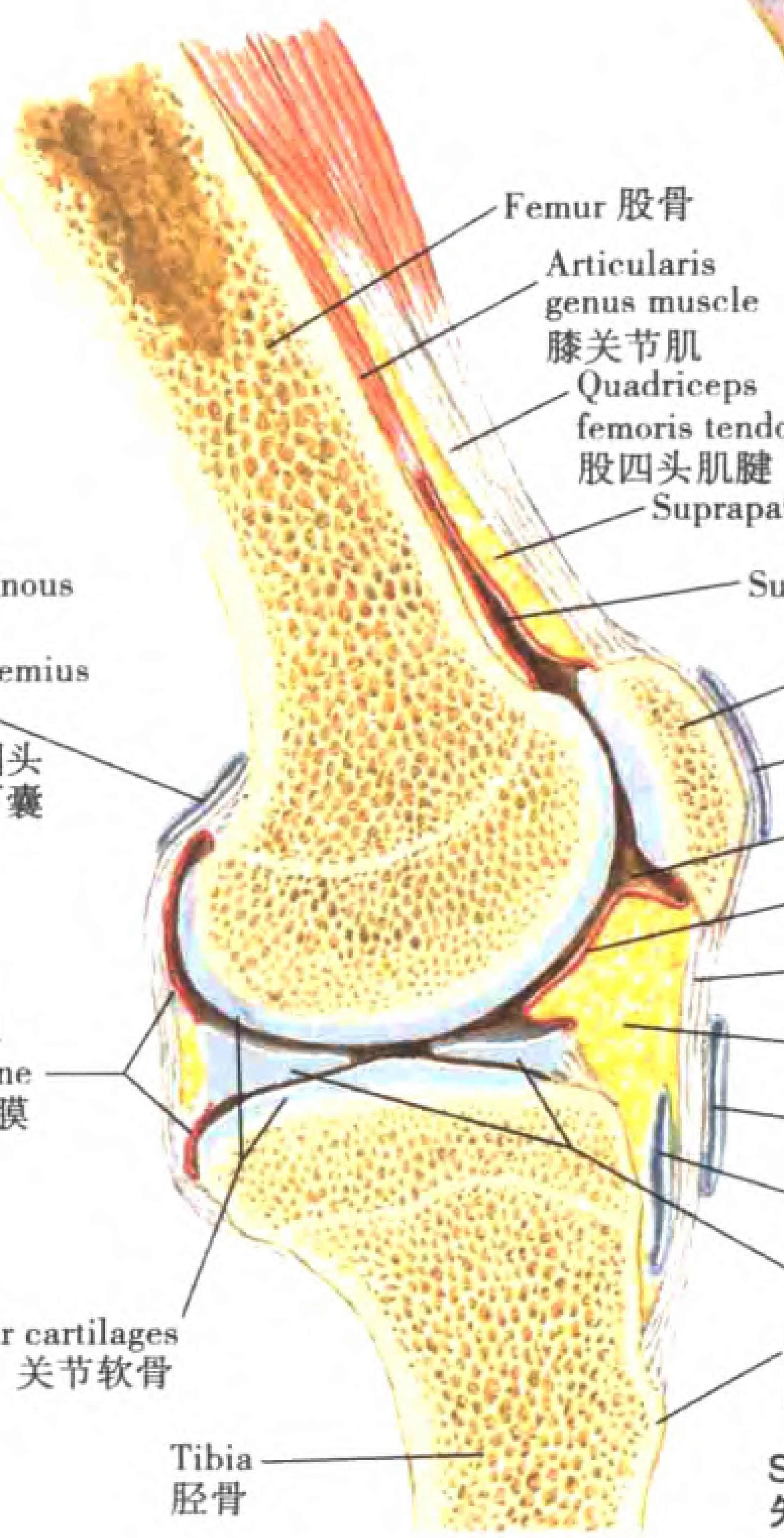
参见图 494


Femur
股骨
Patella
髌骨
Lateral epicondyle
股骨外上髁
Medial epicondyle
股骨内上髁
股骨外侧髁 Lateral condyle of femur
髁间隆起 Intercondylar eminence
Medial condyle of femur
股骨内侧髁
Lateral condyle of tibia
胫骨外侧髁
Medial condyle of tibia
胫骨内侧髁
Head of fibula
腓骨头
Neck of fibula
腓骨颈
Fibula
腓骨
Tibia
胫骨

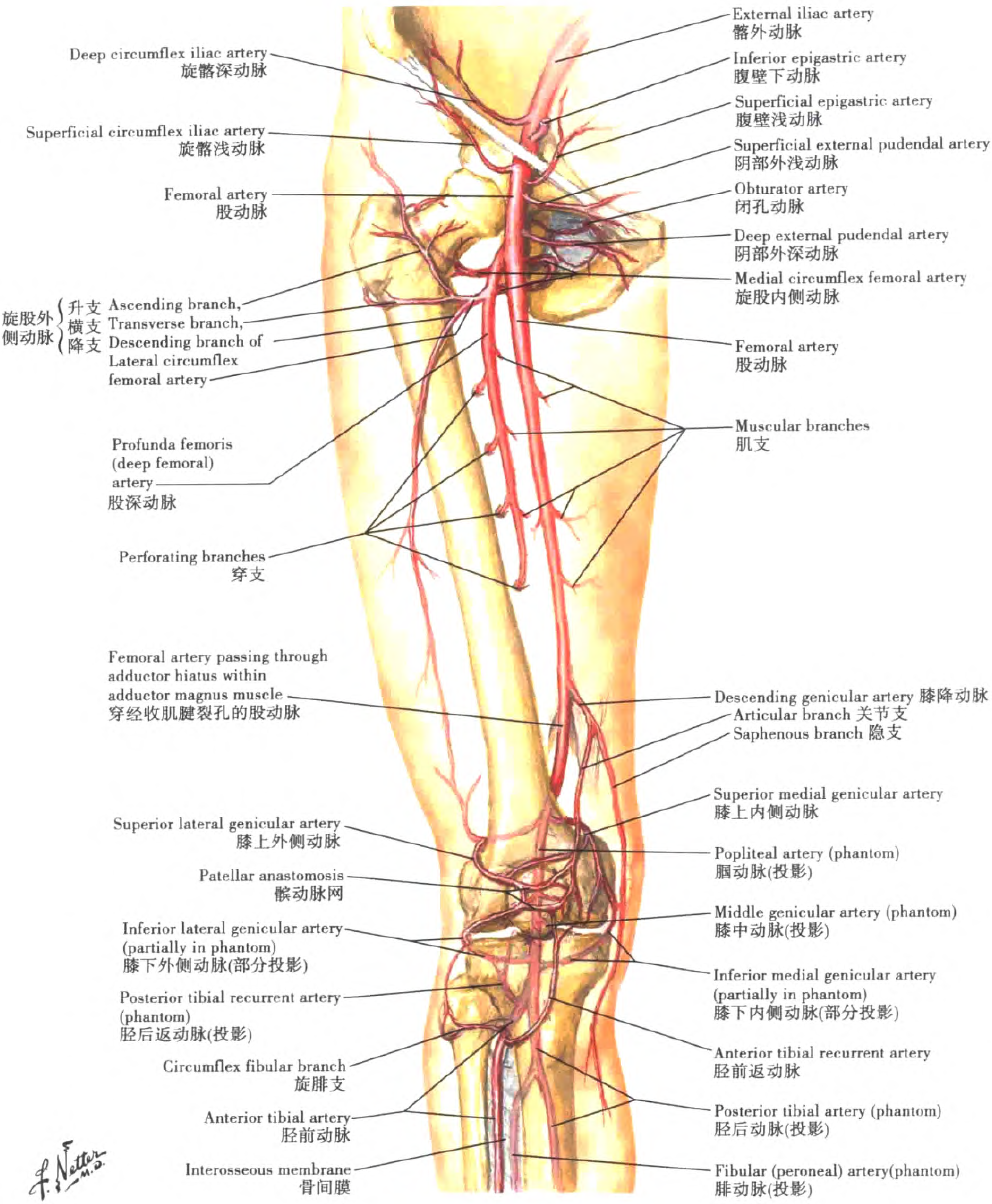

Semitendinosus muscle
半腱肌
跖肌(切断)
Plantaris muscle (cut)
Iliotibial tract (band)
髂胫束
Sartorius muscle
缝匠肌
Biceps femoris muscle
股二头肌
Semimembranosus muscle
半膜肌
Gracilis muscle
股薄肌
Lateral head of gastrocnemius muscle (cut and reflected superiorly and laterally)
腓肠肌外侧头(切断并向上外侧翻开)
Medial head of gastrocnemius muscle (cut)
腓肠肌内侧头(切断)
Lateral subtendinous bursa of gastrocnemius muscle
腓肠肌外侧头腱下囊
Medial subtendinous bursa of gastrocnemius muscle (open)
腓肠肌内侧头腱下囊(打开)
Oblique popliteal ligament
腘斜韧带
Lateral collateral ligament
外侧副韧带
Arcuate popliteal ligament
腘弓状韧带
Tibial collateral ligament
胫侧副韧带
Biceps femoris tendon
股二头肌腱
Bursa of semimembranosus muscle
半膜肌腱下囊
Common fibular (peroneal) nerve
腓总神经
Popliteus muscle
腘肌
Semimembranosus tendon
半膜肌腱
Fibula
腓骨
Interosseous membrane
骨间膜
Tibia
胫骨
C. Machado M.D.

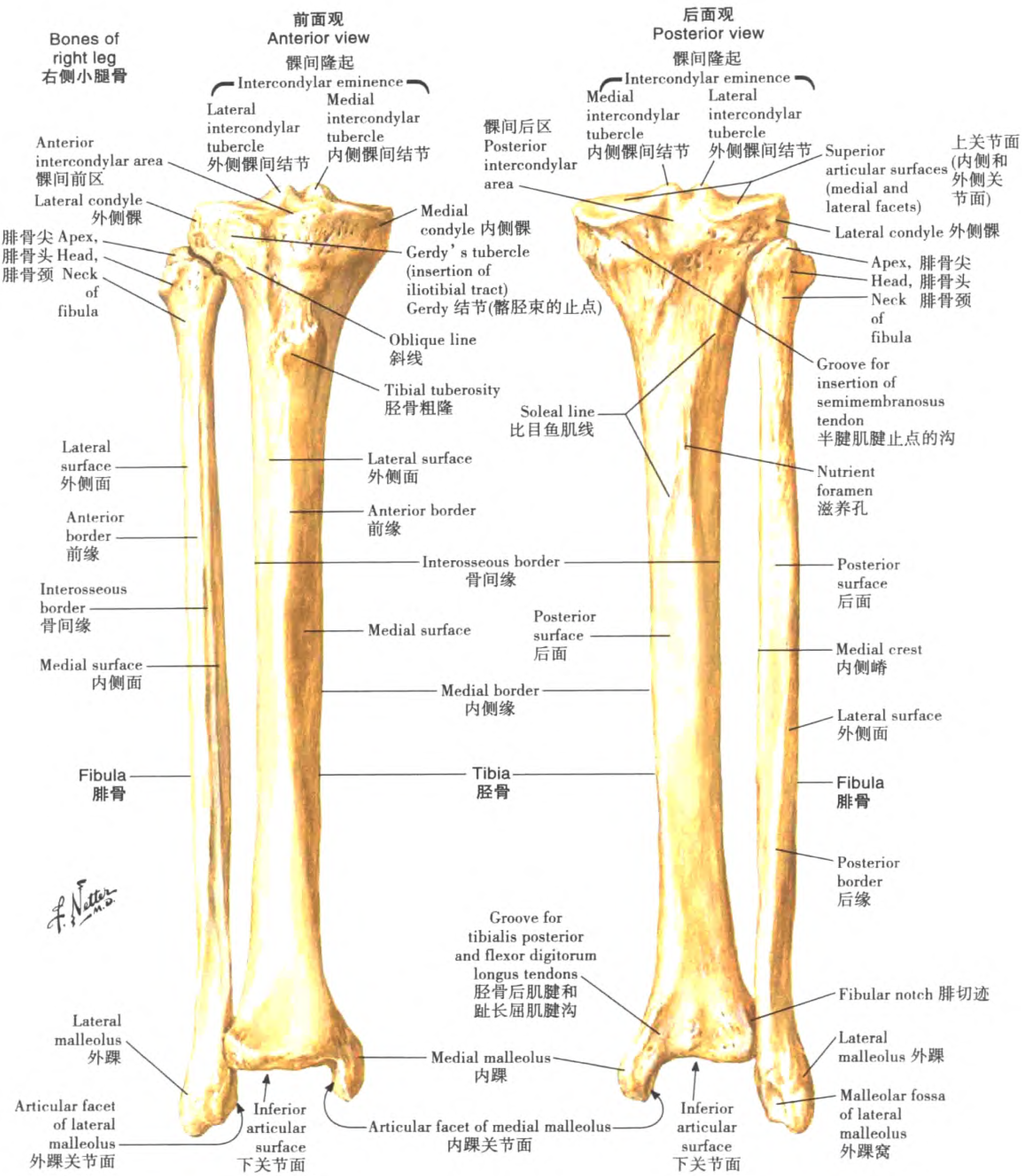
Right knee:posterior view
右膝：后面观





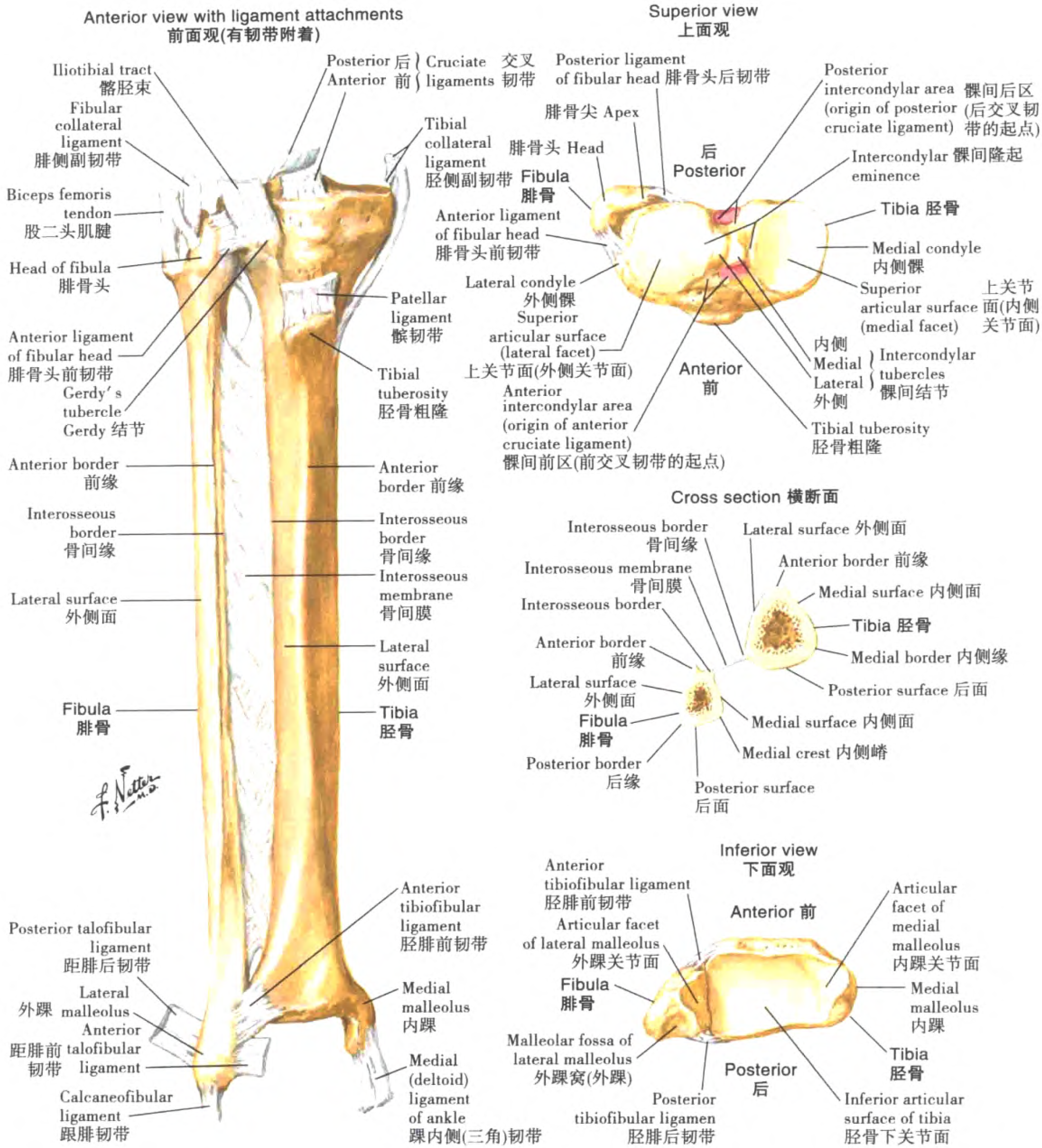
Sagittal section (lateral to midline of knee)
矢状切面(膝关节正中断面的外侧面观)

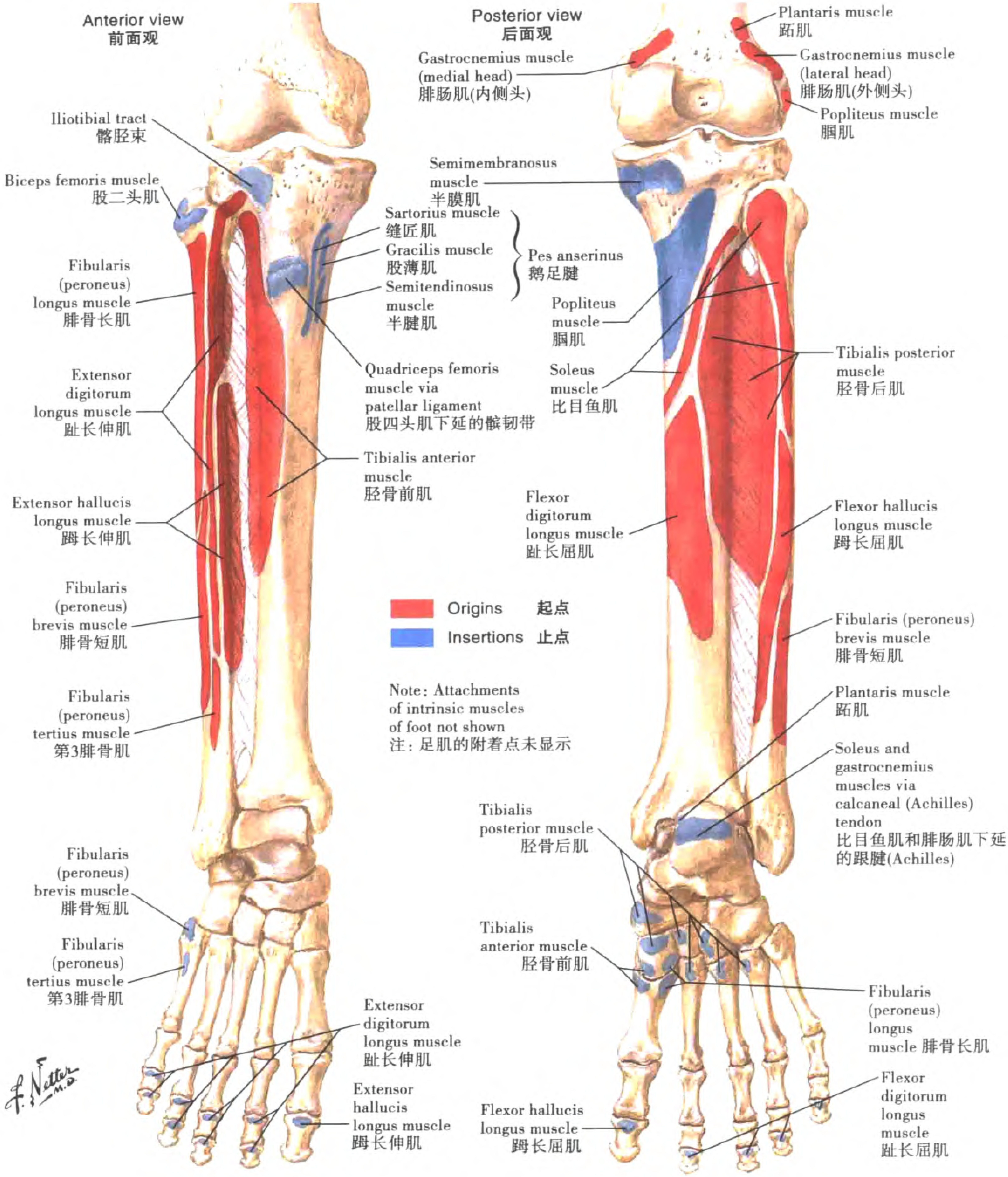

External iliac artery
髂外动脉
Deep circumflex iliac artery
旋髂深动脉
Inferior epigastric artery
腹壁下动脉
Superficial epigastric artery
腹壁浅动脉
Superficial circumflex iliac artery
旋髂浅动脉
Superficial external pudendal artery
阴部外浅动脉
Femoral artery
股动脉
Obturator artery
闭孔动脉
Deep external pudendal artery
阴部外深动脉
Medial circumflex femoral artery
旋股内侧动脉
旋股外侧动脉 升支 横支 降支
Ascending branch, Transverse branch, Descending branch of Lateral circumflex femoral artery
Femoral artery
股动脉
Muscular branches
肌支
Profunda femoris (deep femoral) artery
股深动脉
Perforating branches
穿支
Femoral artery passing through adductor hiatus within adductor magnus muscle
穿经收肌腱裂孔的股动脉
Descending genicular artery 膝降动脉
Articular branch 关节支
Saphenous branch 隐支
Superior medial genicular artery
膝上内侧动脉
Superior lateral genicular artery
膝上外侧动脉
Popliteal artery (phantom)
腘动脉(投影)
Patellar anastomosis
髌动脉网
Middle genicular artery (phantom)
膝中动脉(投影)
Inferior lateral genicular artery (partially in phantom)
膝下外侧动脉(部分投影)
Inferior medial genicular artery (partially in phantom)
膝下内侧动脉(部分投影)
Posterior tibial recurrent artery (phantom)
胫后返动脉(投影)
Anterior tibial recurrent artery
胫前返动脉
Circumflex fibular branch
旋腓支
Posterior tibial artery (phantom)
胫后动脉(投影)
Anterior tibial artery
胫前动脉
Interosseous membrane
骨间膜
Fibular (peroneal) artery(phantom)
腓动脉(投影)



Bones of right leg
右侧小腿骨
前面观
Anterior view
后面观
Posterior view
髁间隆起
Intercondylar eminence
Lateral intercondylar tubercle
外侧髁间结节
Medial intercondylar tubercle
内侧髁间结节
Anterior intercondylar area
髁间前区
Lateral condyle
外侧髁
腓骨尖 Apex,
腓骨头 Head,
腓骨颈 Neck of fibula
Medial condyle 内侧髁
Gerdy' s tubercle (insertion of iliotibial tract)
Gerdy 结节(髂胫束的止点)
Oblique line
斜线
Tibial tuberosity
胫骨粗隆
Lateral surface
外侧面
Anterior border
前缘
Interosseous border
骨间缘
Medial surface
内侧面
Medial border
内侧缘
Fibula
腓骨
Tibia
胫骨
Lateral malleolus
外踝
Articular facet of lateral malleolus
外踝关节面
Inferior articular surface
下关节面
Medial malleolus
内踝
Articular facet of medial malleolus
内踝关节面
髁间后区
Posterior intercondylar area
Superior articular surfaces (medial and lateral facets)
上关节面(内侧和外侧关节面)
Lateral condyle 外侧髁
Apex, 腓骨尖
Head, 腓骨头
Neck of fibula 腓骨颈
Groove for insertion of semimembranosus tendon
半腱肌腱止点的沟
Soleal line
比目鱼肌线
Nutrient foramen
滋养孔
Posterior surface
后面
Medial crest
内侧嵴
Lateral surface
外侧面
Posterior border
后缘
Groove for tibialis posterior and flexor digitorum longus tendons
胫骨后肌腱和趾长屈肌腱沟
Fibular notch 腓切迹
Lateral malleolus 外踝
Malleolar fossa of lateral malleolus
外踝窝
F. Netter M.D.

参见图 495

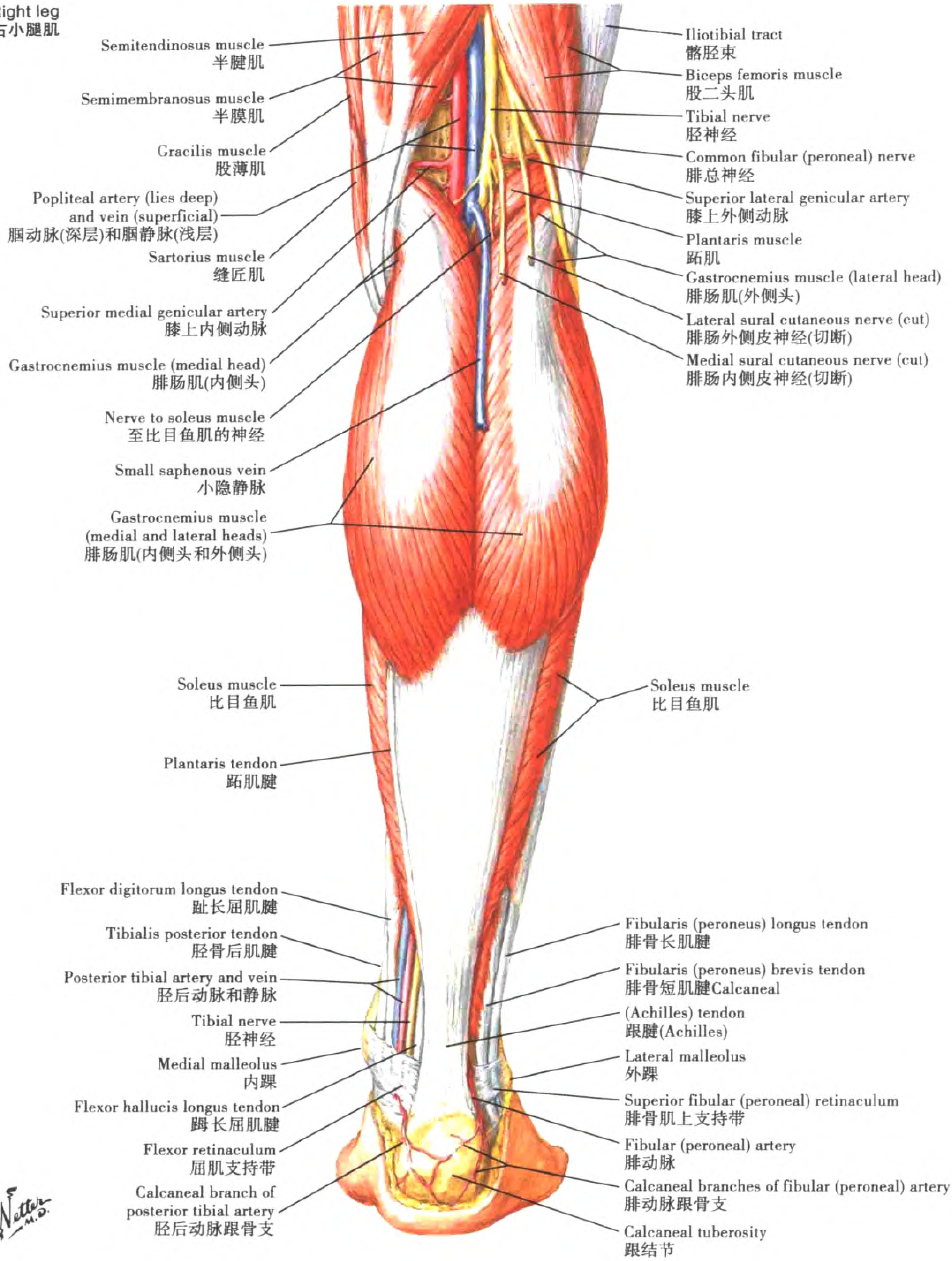

Anterior view with ligament attachments
前面观(有韧带附着)
Iliotibial tract
髂胫束
Fibular collateral ligament
腓侧副韧带
Biceps femoris tendon
股二头肌腱
Head of fibula
腓骨头
Anterior ligament of fibular head
腓骨头前韧带
Gerdy's tubercle
Gerdy 结节
Anterior border
前缘
Interosseous border
骨间缘
Lateral surface
外侧面
Fibula
腓骨
Posterior 后
Anterior 前
Cruciate ligaments 交叉韧带
Tibial collateral ligament
胫侧副韧带
Patellar ligament
髌韧带
Tibial tuberosity
胫骨粗隆
Anterior border 前缘
Interosseous border
骨间缘
Interosseous membrane
骨间膜
Lateral surface
外侧面
Tibia
胫骨
Posterior talofibular ligament
距腓后韧带
Lateral malleolus
外踝
Anterior talofibular ligament
距腓前韧带
Calcaneofibular ligament
跟腓韧带
Anterior tibiofibular ligament
胫腓前韧带
Medial malleolus
内踝
Medial (deltoid) ligament of ankle
踝内侧(三角)韧带
Superior view
上面观
Posterior ligament of fibular head 腓骨头后韧带
腓骨尖 Apex
腓骨头 Head
Fibula
腓骨
后
Posterior
Anterior ligament of fibular head
腓骨头前韧带
Lateral condyle
外侧髁
Superior articular surface (lateral facet)
上关节面(外侧关节面)
Anterior
前
Anterior intercondylar area (origin of anterior cruciate ligament)
髁间前区(前交叉韧带的起点)
Posterior intercondylar area (origin of posterior cruciate ligament)
髁间后区(后交叉韧带的起点)
Intercondylar eminence
髁间隆起
Tibia 胫骨
Medial condyle
内侧髁
Superior articular surface (medial facet)
上关节面(内侧关节面)
内侧 Medial
Lateral 外侧
Intercondylar tubercles
髁间结节
Tibial tuberosity
胫骨粗隆
Cross section 横断面
Interosseous border
骨间缘
Interosseous membrane
骨间膜
Interosseous border
Anterior border
前缘
Lateral surface
外侧面
Fibula
腓骨
Posterior border
后缘
Posterior surface
后面
Lateral surface 外侧面
Anterior border 前缘
Medial surface 内侧面
Tibia 胫骨
Medial border 内侧缘
Posterior surface 后面
Medial surface 内侧面
Medial crest 内侧嵴
Inferior view
下面观
Anterior tibiofibular ligament
胫腓前韧带
Articular facet of lateral malleolus
外踝关节面
Fibula
腓骨
Malleolar fossa of lateral malleolus
外踝窝(外踝)
Posterior tibiofibular ligamen
胫腓后韧带
Anterior 前
Posterior
后
Articular facet of medial malleolus
内踝关节面
Medial malleolus
内踝
Tibia
胫骨
Inferior articular surface of tibia
胫骨下关节面

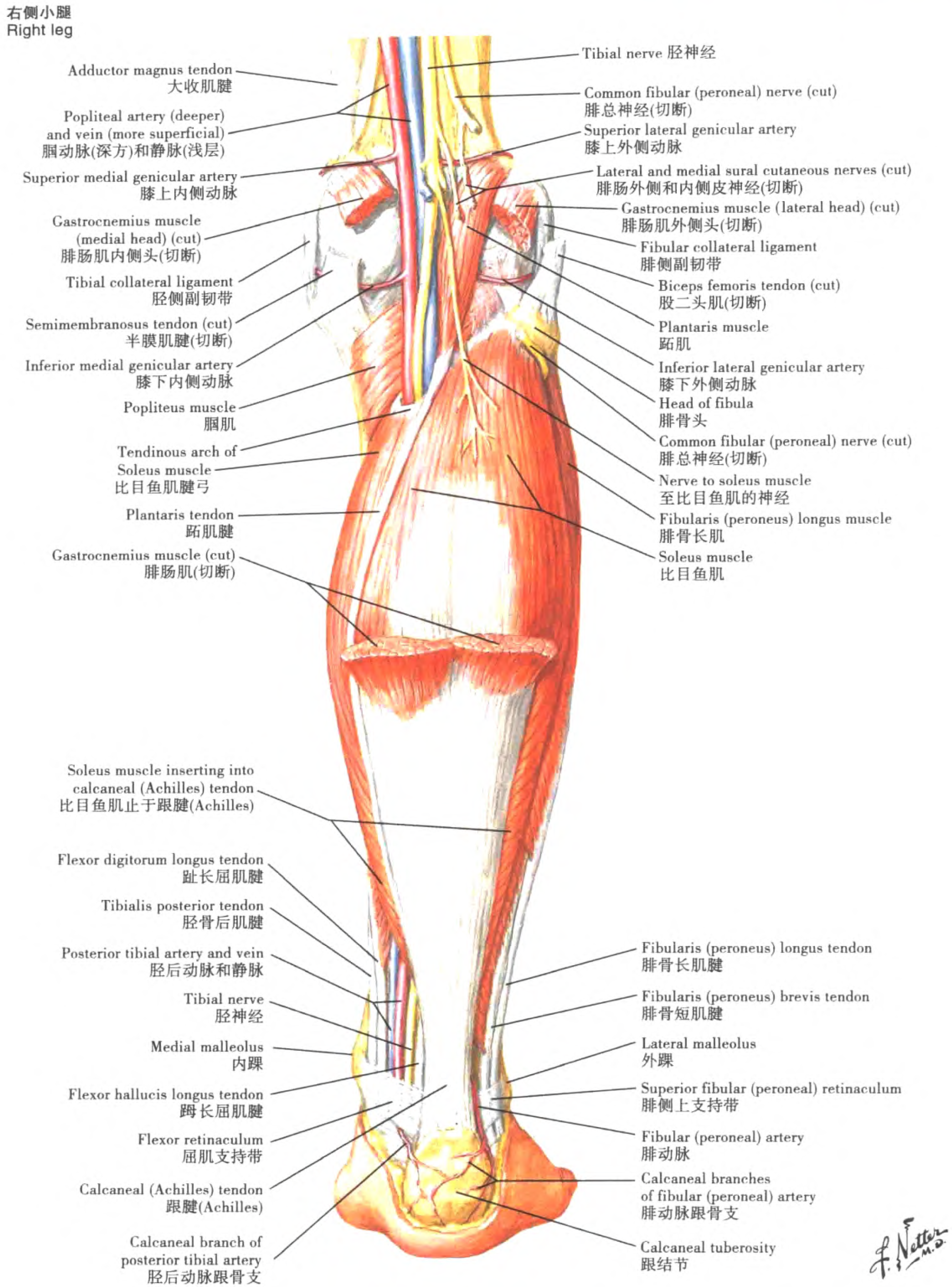

Anterior view
前面观
Iliotibial tract
髂胫束
Biceps femoris muscle
股二头肌
Fibularis (peroneus) longus muscle
腓骨长肌
Extensor digitorum longus muscle
趾长伸肌
Extensor hallucis longus muscle
踇长伸肌
Fibularis (peroneus) brevis muscle
腓骨短肌
Fibularis (peroneus) tertius muscle
第3腓骨肌
Fibularis (peroneus) brevis muscle
腓骨短肌
Fibularis (peroneus) tertius muscle
第3腓骨肌
Sartorius muscle
缝匠肌
Gracilis muscle
股薄肌
Semitendinosus muscle
半腱肌
Pes anserinus
鹅足腱
Quadriceps femoris muscle via patellar ligament
股四头肌下延的髌韧带
Tibialis anterior muscle
胫骨前肌
Extensor digitorum longus muscle
趾长伸肌
Extensor hallucis longus muscle
踇长伸肌
Posterior view
后面观
Gastrocnemius muscle (medial head)
腓肠肌(内侧头)
Semimembranosus muscle
半膜肌
Popliteus muscle
腘肌
Soleus muscle
比目鱼肌
Flexor digitorum longus muscle
趾长屈肌
Plantaris muscle
跖肌
Gastrocnemius muscle (lateral head)
腓肠肌(外侧头)
Popliteus muscle
腘肌
Tibialis posterior muscle
胫骨后肌
Flexor hallucis longus muscle
踇长屈肌
Fibularis (peroneus) brevis muscle
腓骨短肌
Plantaris muscle
跖肌
Soleus and gastrocnemius muscles via calcaneal (Achilles) tendon
比目鱼肌和腓肠肌下延的跟腱(Achilles)
Tibialis posterior muscle
胫骨后肌
Tibialis anterior muscle
胫骨前肌
Fibularis (peroneus) longus muscle 腓骨长肌
Flexor hallucis longus muscle
踇长屈肌
Flexor digitorum longus muscle
趾长屈肌
Origins 起点
Insertions 止点
Note: Attachments of intrinsic muscles of foot not shown
注:足肌的附着点未显示
F. Netter M.D.

小腿肌(浅层解剖):后面观

参见图 528

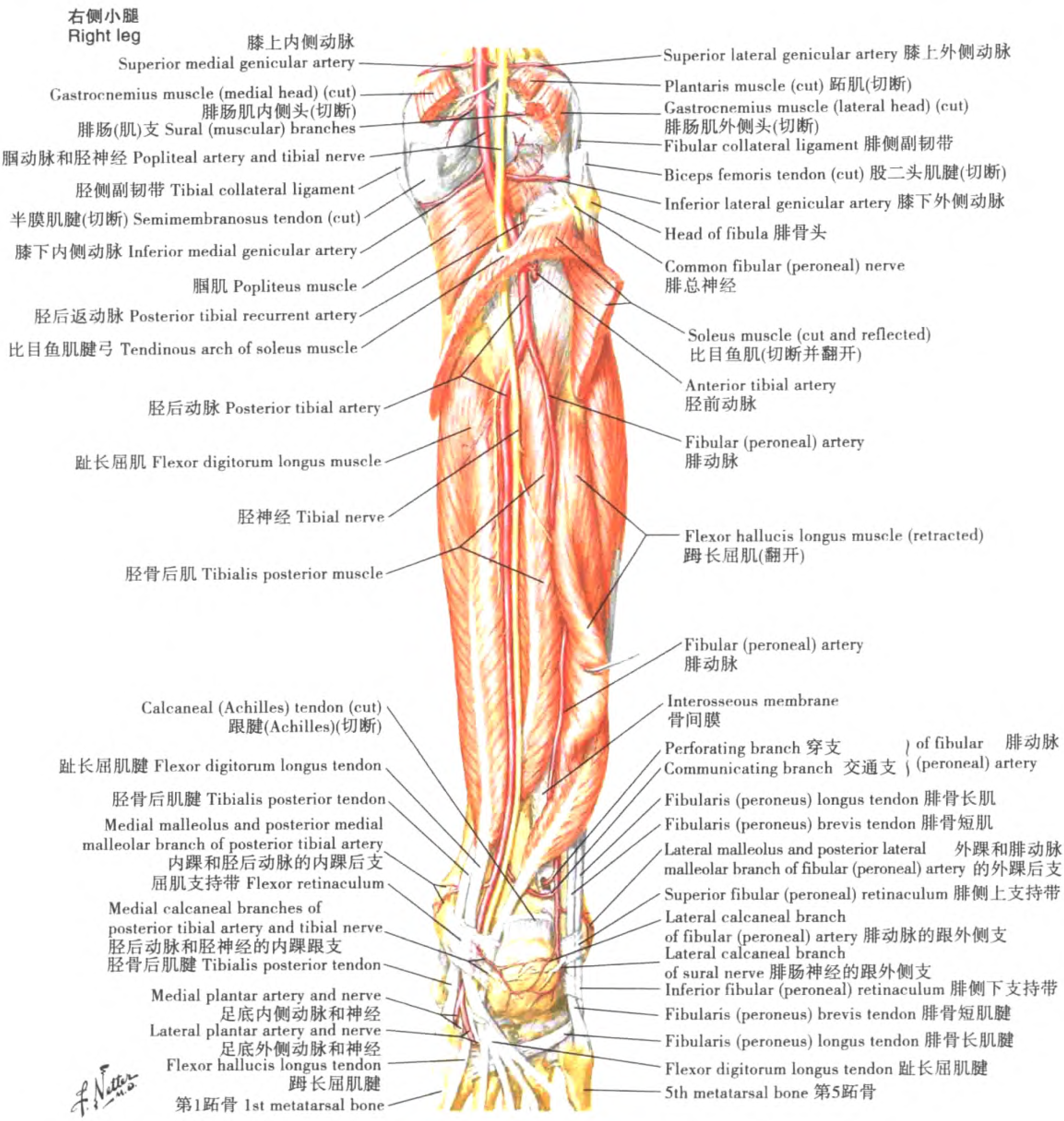
Right leg
右小腿肌

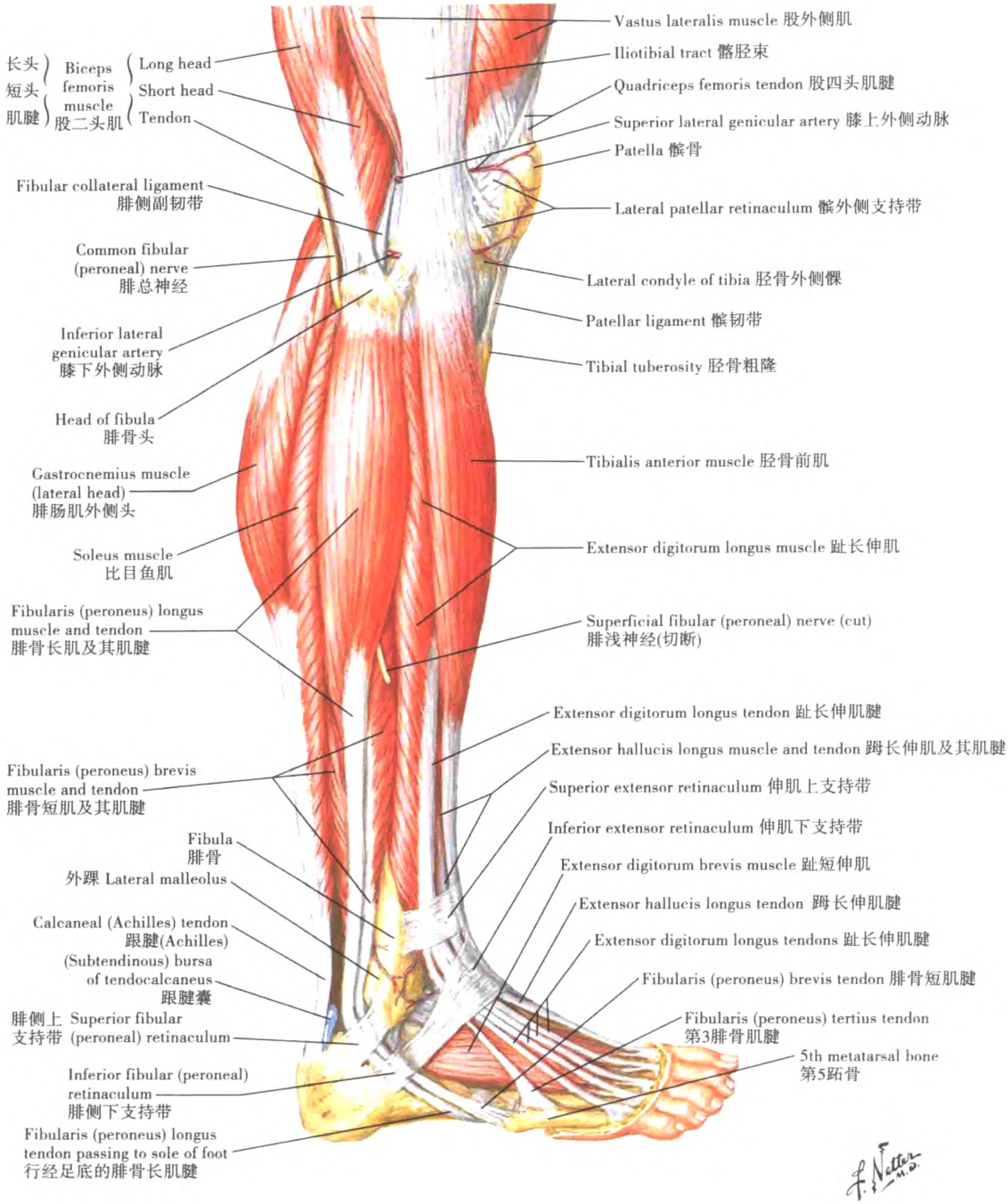


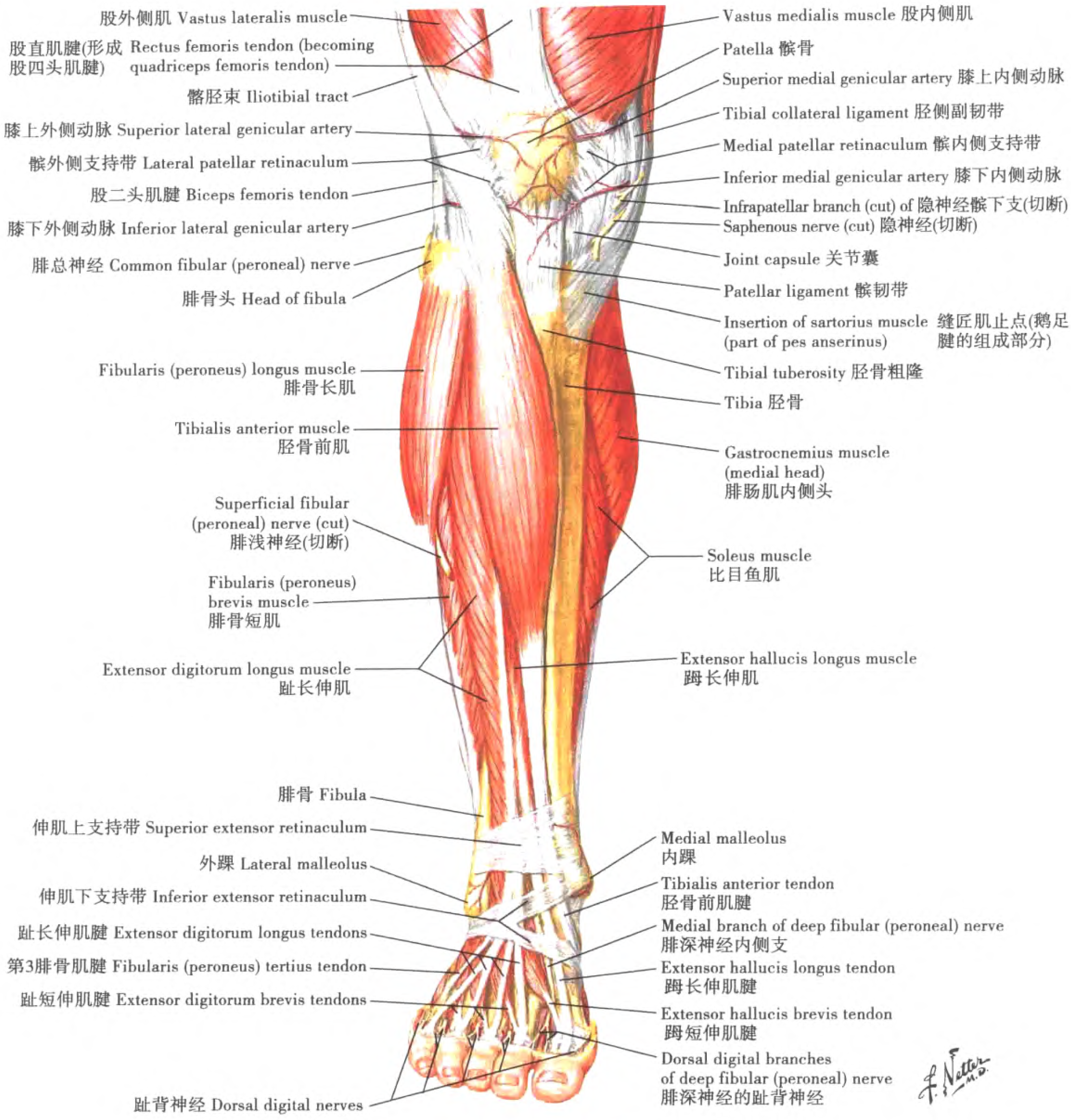

右侧小腿
Right leg
Adductor magnus tendon 大收肌腱
Popliteal artery (deeper) and vein (more superficial) 腘动脉(深方)和静脉(浅层)
Superior medial genicular artery 膝上内侧动脉
Gastrocnemius muscle (medial head) (cut) 腓肠肌内侧头(切断)
Tibial collateral ligament 胫侧副韧带
Semimembranosus tendon (cut) 半膜肌腱(切断)
Inferior medial genicular artery 膝下内侧动脉
Popliteus muscle 腘肌
Tendinous arch of Soleus muscle 比目鱼肌腱弓
Plantaris tendon 跖肌腱
Gastrocnemius muscle (cut) 腓肠肌(切断)
Soleus muscle inserting into calcaneal (Achilles) tendon 比目鱼肌止于跟腱(Achilles)
Flexor digitorum longus tendon 趾长屈肌腱
Tibialis posterior tendon 胫骨后肌腱
Posterior tibial artery and vein 胫后动脉和静脉
Tibial nerve 胫神经
Medial malleolus 内踝
Flexor hallucis longus tendon 踇长屈肌腱
Flexor retinaculum 屈肌支持带
Calcaneal (Achilles) tendon 跟腱(Achilles)
Calcaneal branch of posterior tibial artery 胫后动脉跟骨支
Tibial nerve 胫神经
Common fibular (peroneal) nerve (cut) 腓总神经(切断)
Superior lateral genicular artery 膝上外侧动脉
Lateral and medial sural cutaneous nerves (cut) 腓肠外侧和内侧皮神经(切断)
Gastrocnemius muscle (lateral head) (cut) 腓肠肌外侧头(切断)
Fibular collateral ligament 腓侧副韧带
Biceps femoris tendon (cut) 股二头肌(切断)
Plantaris muscle 跖肌
Inferior lateral genicular artery 膝下外侧动脉
Head of fibula 腓骨头
Common fibular (peroneal) nerve (cut) 腓总神经(切断)
Nerve to soleus muscle 至比目鱼肌的神经
Fibularis (peroneus) longus muscle 腓骨长肌
Soleus muscle 比目鱼肌
Fibularis (peroneus) longus tendon 腓骨长肌腱
Fibularis (peroneus) brevis tendon 腓骨短肌腱
Lateral malleolus 外踝
Superior fibular (peroneal) retinaculum 腓侧上支持带
Fibular (peroneal) artery 腓动脉
Calcaneal branches of fibular (peroneal) artery 腓动脉跟骨支
Calcaneal tuberosity 跟结节
F. Netter M.D.

小腿肌(深层解剖):后面观

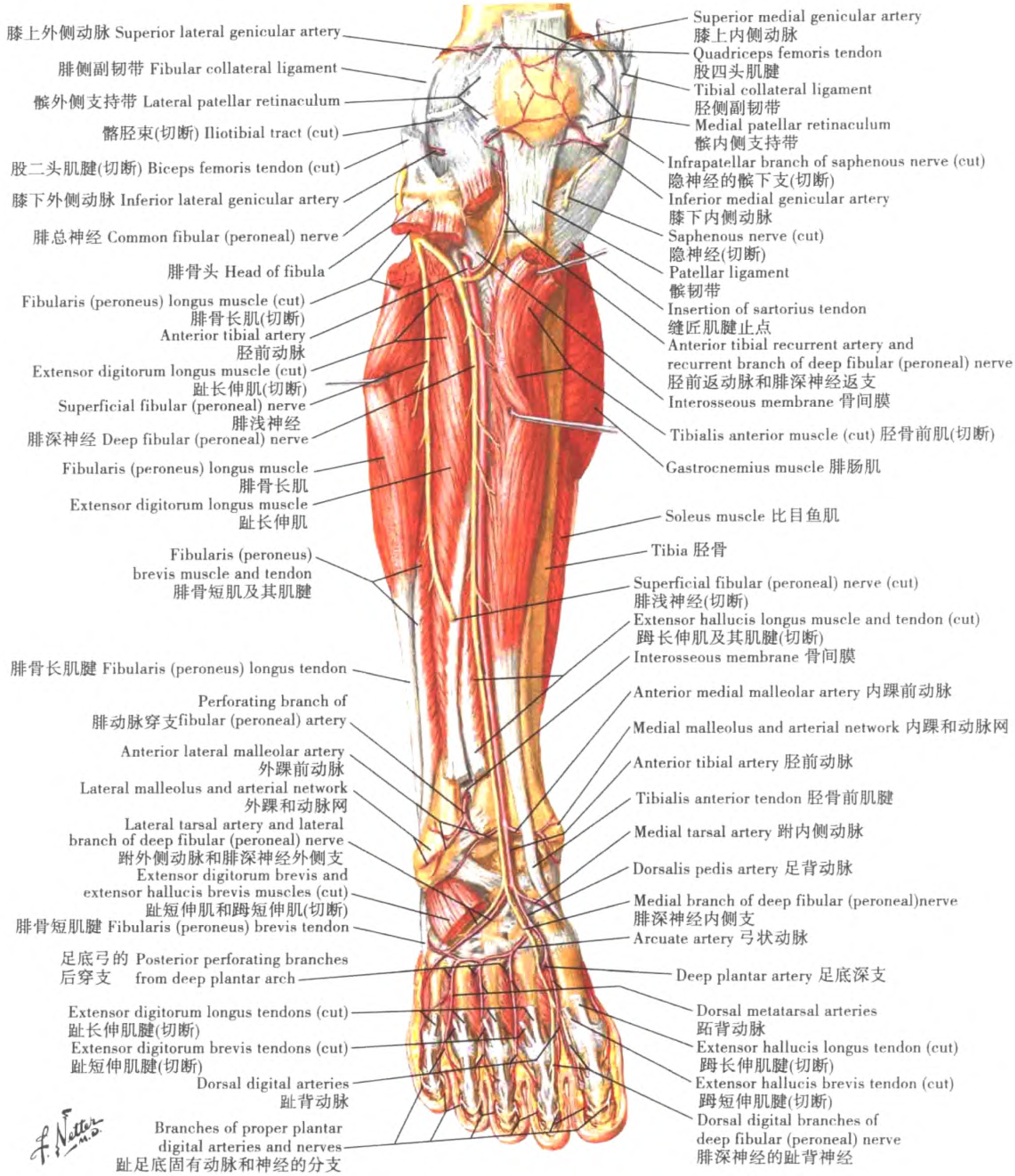
参见图 528

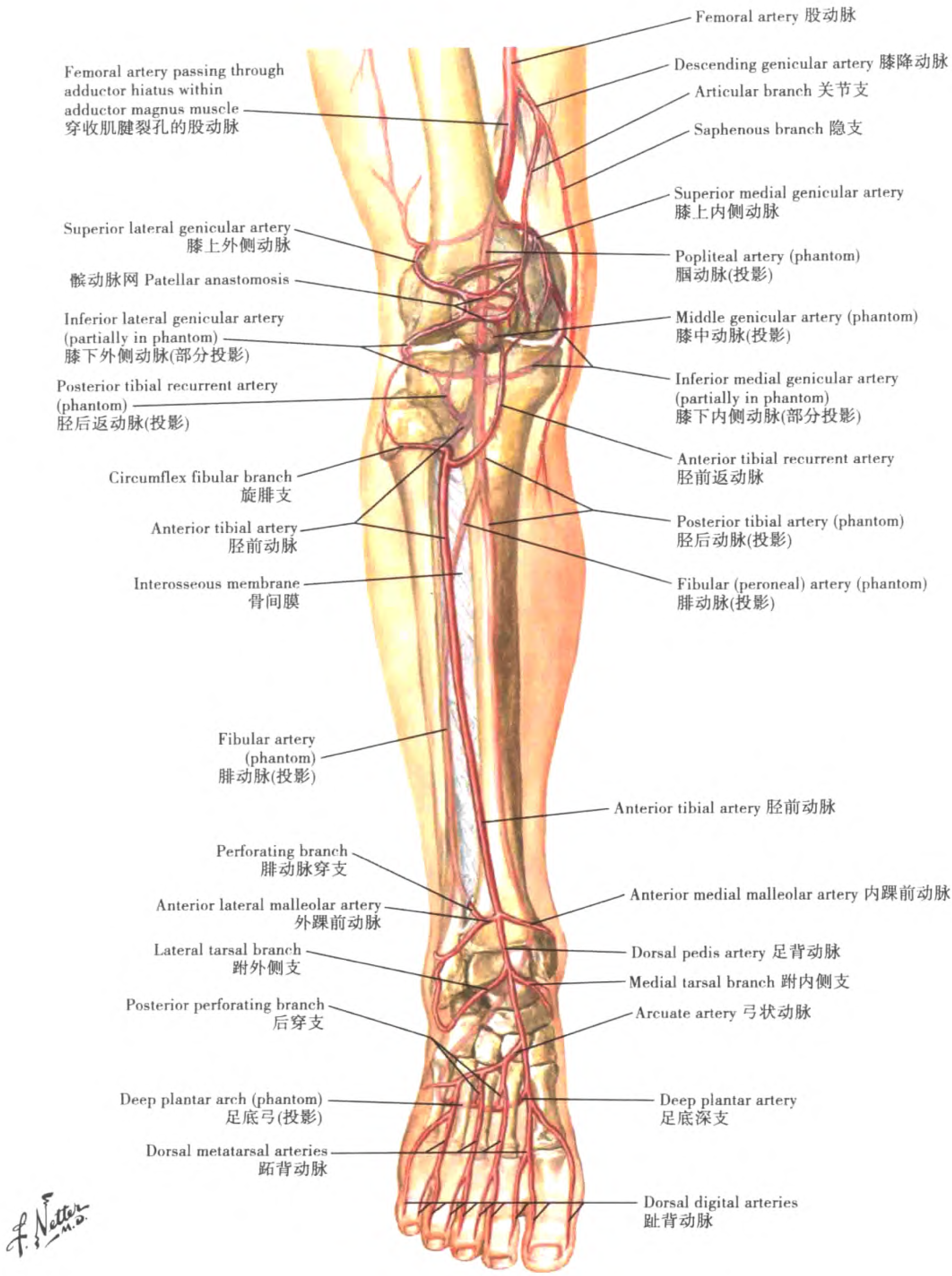


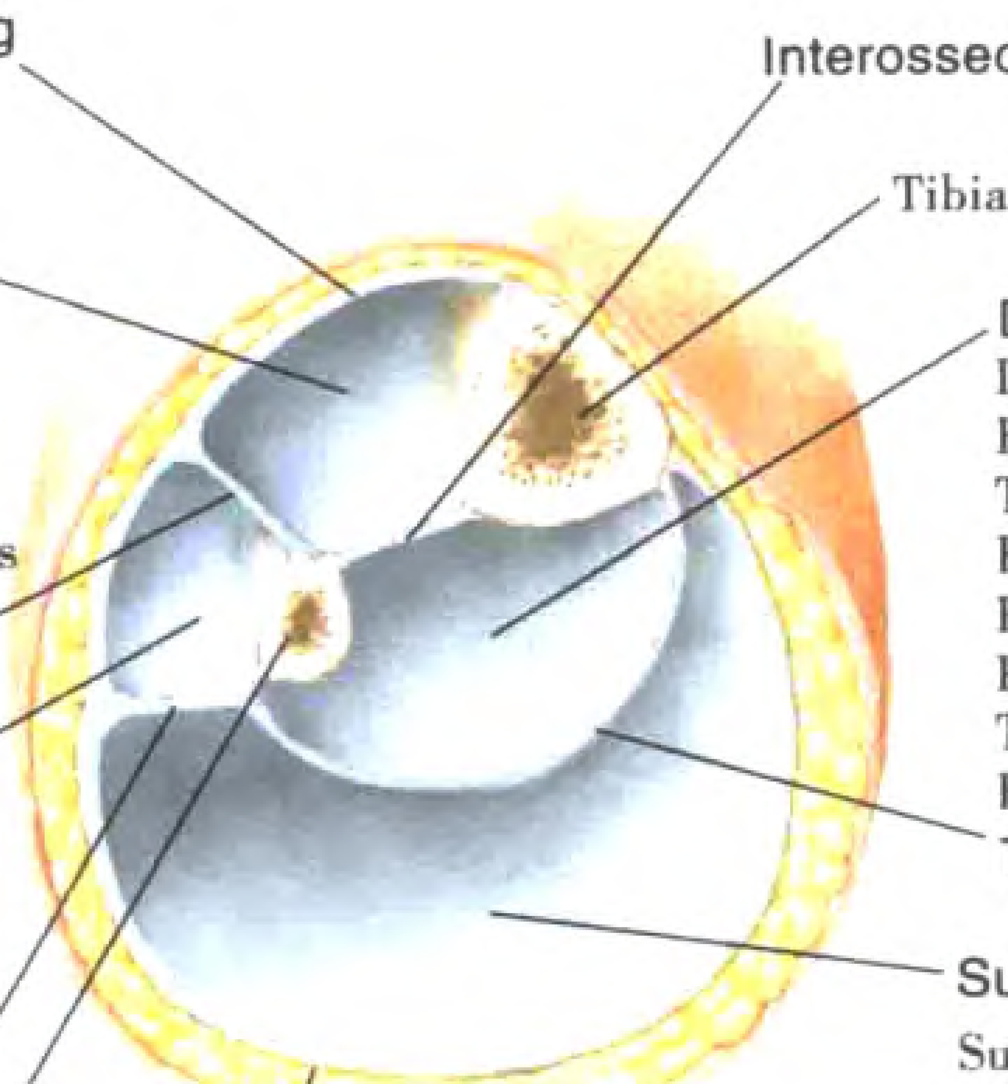

长头 短头 肌腱
Biceps femoris muscle 股二头肌
Long head
Short head
Tendon
Fibular collateral ligament 腓侧副韧带
Common fibular (peroneal) nerve 腓总神经
Inferior lateral genicular artery 膝下外侧动脉
Head of fibula 腓骨头
Gastrocnemius muscle (lateral head) 腓肠肌外侧头
Soleus muscle 比目鱼肌
Fibularis (peroneus) longus muscle and tendon 腓骨长肌及其肌腱
Fibularis (peroneus) brevis muscle and tendon 腓骨短肌及其肌腱
Fibula 腓骨
外踝 Lateral malleolus
Calcaneal (Achilles) tendon 跟腱(Achilles)
(Subtendinous) bursa of tendocalcaneus 跟腱囊
腓侧上支持带 Superior fibular (peroneal) retinaculum
Inferior fibular (peroneal) retinaculum 腓侧下支持带
Fibularis (peroneus) longus tendon passing to sole of foot 行经足底的腓骨长肌腱
Vastus lateralis muscle 股外侧肌
Iliotibial tract 髂胫束
Quadriceps femoris tendon 股四头肌腱
Superior lateral genicular artery 膝上外侧动脉
Patella 髌骨
Lateral patellar retinaculum 髌外侧支持带
Lateral condyle of tibia 胫骨外侧髁
Patellar ligament 髌韧带
Tibial tuberosity 胫骨粗隆
Tibialis anterior muscle 胫骨前肌
Extensor digitorum longus muscle 趾长伸肌
Superficial fibular (peroneal) nerve (cut) 腓浅神经(切断)
Extensor digitorum longus tendon 趾长伸肌腱
Extensor hallucis longus muscle and tendon 踇长伸肌及其肌腱
Superior extensor retinaculum 伸肌上支持带
Inferior extensor retinaculum 伸肌下支持带
Extensor digitorum brevis muscle 趾短伸肌
Extensor hallucis longus tendon 踇长伸肌腱
Extensor digitorum longus tendons 趾长伸肌腱
Fibularis (peroneus) brevis tendon 腓骨短肌腱
Fibularis (peroneus) tertius tendon 第3腓骨肌腱
5th metatarsal bone 第5跖骨
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股外侧肌 Vastus lateralis muscle
股直肌腱(形成股四头肌腱) Rectus femoris tendon (becoming quadriceps femoris tendon)
髂胫束 Iliotibial tract
膝上外侧动脉 Superior lateral genicular artery
髌外侧支持带 Lateral patellar retinaculum
股二头肌腱 Biceps femoris tendon
膝下外侧动脉 Inferior lateral genicular artery
腓总神经 Common fibular (peroneal) nerve
腓骨头 Head of fibula
Fibularis (peroneus) longus muscle 腓骨长肌
Tibialis anterior muscle 胫骨前肌
Superficial fibular (peroneal) nerve (cut) 腓浅神经(切断)
Fibularis (peroneus) brevis muscle 腓骨短肌
Extensor digitorum longus muscle 趾长伸肌
腓骨 Fibula
伸肌上支持带 Superior extensor retinaculum
外踝 Lateral malleolus
伸肌下支持带 Inferior extensor retinaculum
趾长伸肌腱 Extensor digitorum longus tendons
第3腓骨肌腱 Fibularis (peroneus) tertius tendon
趾短伸肌腱 Extensor digitorum brevis tendons
趾背神经 Dorsal digital nerves
Vastus medialis muscle 股内侧肌
Patella 髌骨
Superior medial genicular artery 膝上内侧动脉
Tibial collateral ligament 胫侧副韧带
Medial patellar retinaculum 髌内侧支持带
Inferior medial genicular artery 膝下内侧动脉
Infrapatellar branch (cut) of 隐神经髌下支(切断)
Saphenous nerve (cut) 隐神经(切断)
Joint capsule 关节囊
Patellar ligament 髌韧带
Insertion of sartorius muscle (part of pes anserinus) 缝匠肌止点(鹅足腱的组成部分)
Tibial tuberosity 胫骨粗隆
Tibia 胫骨
Gastrocnemius muscle (medial head) 腓肠肌内侧头
Soleus muscle 比目鱼肌
Extensor hallucis longus muscle 踇长伸肌
Medial malleolus 内踝
Tibialis anterior tendon 胫骨前肌腱
Medial branch of deep fibular (peroneal) nerve 腓深神经内侧支
Extensor hallucis longus tendon 踇长伸肌腱
Extensor hallucis brevis tendon 踇短伸肌腱
Dorsal digital branches of deep fibular (peroneal) nerve 腓深神经的趾背神经

参见图 499,523,529




Femoral artery 股动脉
Descending genicular artery 膝降动脉
Articular branch 关节支
Saphenous branch 隐支
Femoral artery passing through adductor hiatus within adductor magnus muscle
穿收肌腱裂孔的股动脉
Superior medial genicular artery
膝上内侧动脉
Superior lateral genicular artery
膝上外侧动脉
Popliteal artery (phantom)
腘动脉(投影)
髌动脉网 Patellar anastomosis
Middle genicular artery (phantom)
膝中动脉(投影)
Inferior lateral genicular artery (partially in phantom)
膝下外侧动脉(部分投影)
Inferior medial genicular artery (partially in phantom)
膝下内侧动脉(部分投影)
Posterior tibial recurrent artery (phantom)
胫后返动脉(投影)
Anterior tibial recurrent artery
胫前返动脉
Circumflex fibular branch
旋腓支
Posterior tibial artery (phantom)
胫后动脉(投影)
Anterior tibial artery
胫前动脉
Fibular (peroneal) artery (phantom)
腓动脉(投影)
Interosseous membrane
骨间膜
Fibular artery (phantom)
腓动脉(投影)
Anterior tibial artery 胫前动脉
Perforating branch
腓动脉穿支
Anterior medial malleolar artery 内踝前动脉
Anterior lateral malleolar artery
外踝前动脉
Dorsal pedis artery 足背动脉
Lateral tarsal branch
跗外侧支
Medial tarsal branch 跗内侧支
Arcuate artery 弓状动脉
Posterior perforating branch
后穿支
Deep plantar arch (phantom)
足底弓(投影)
Deep plantar artery
足底深支
Dorsal metatarsal arteries
跖背动脉
Dorsal digital arteries
趾背动脉



Cross section just above middle of leg 小腿中份上部横断面

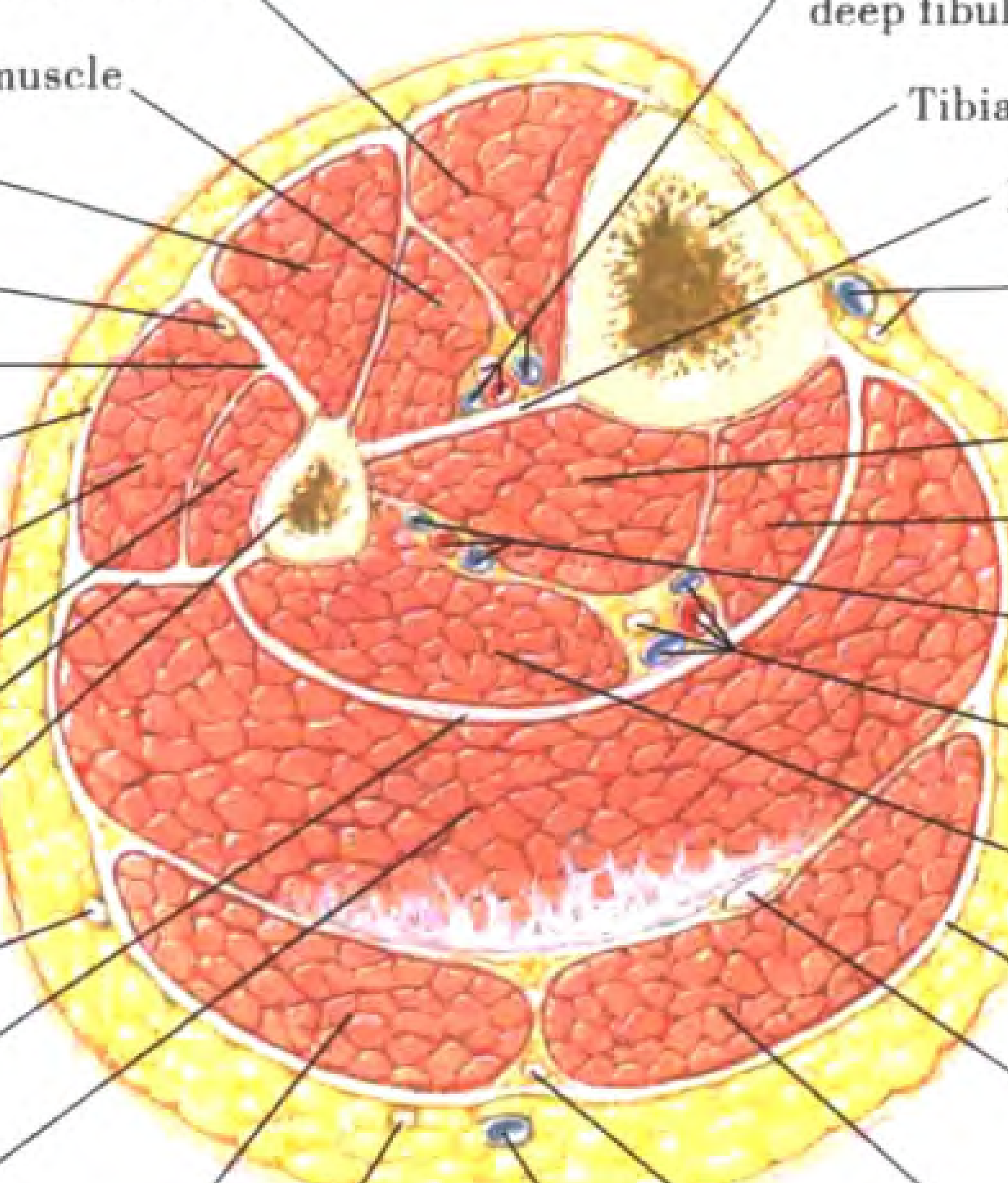
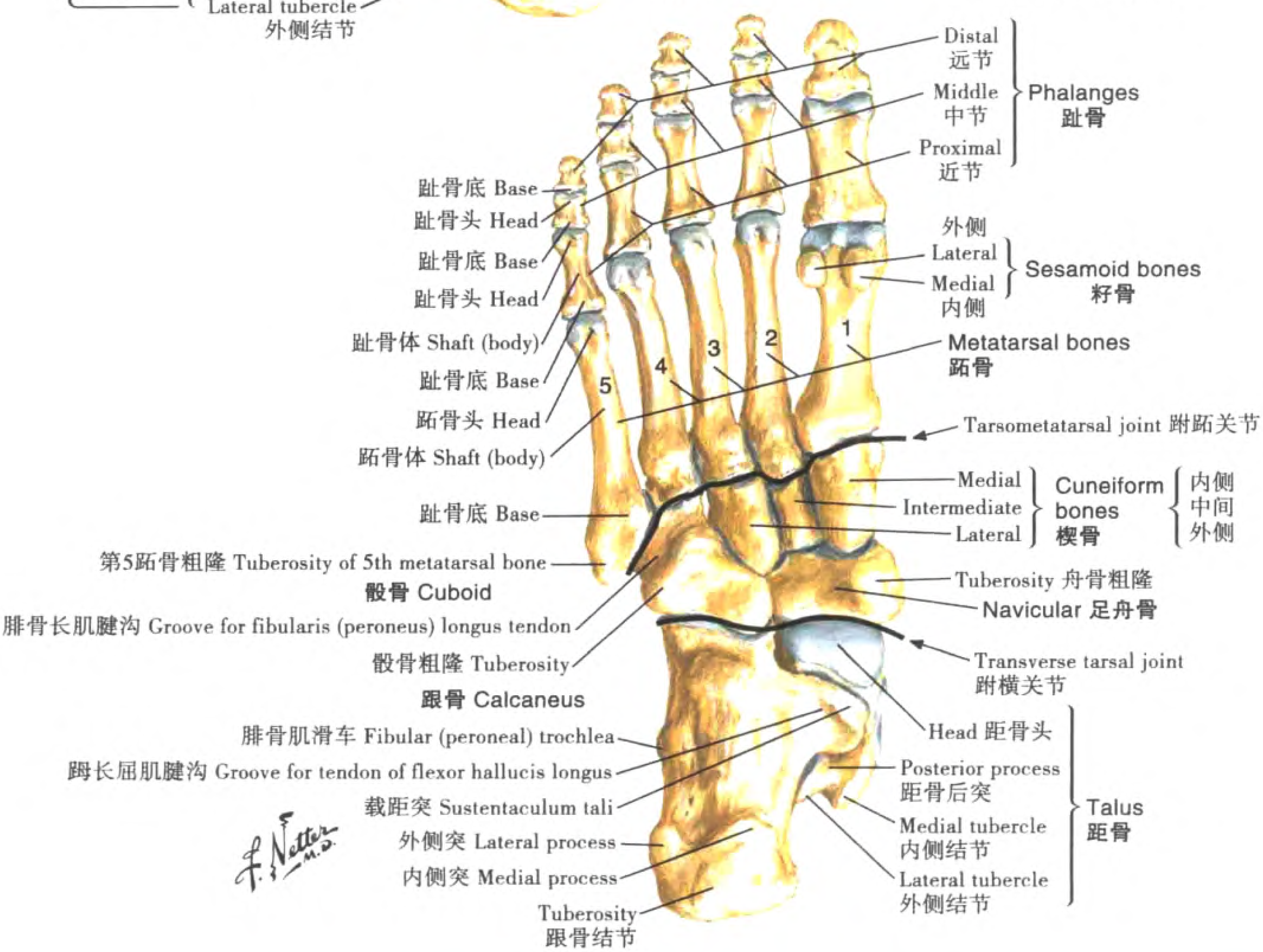
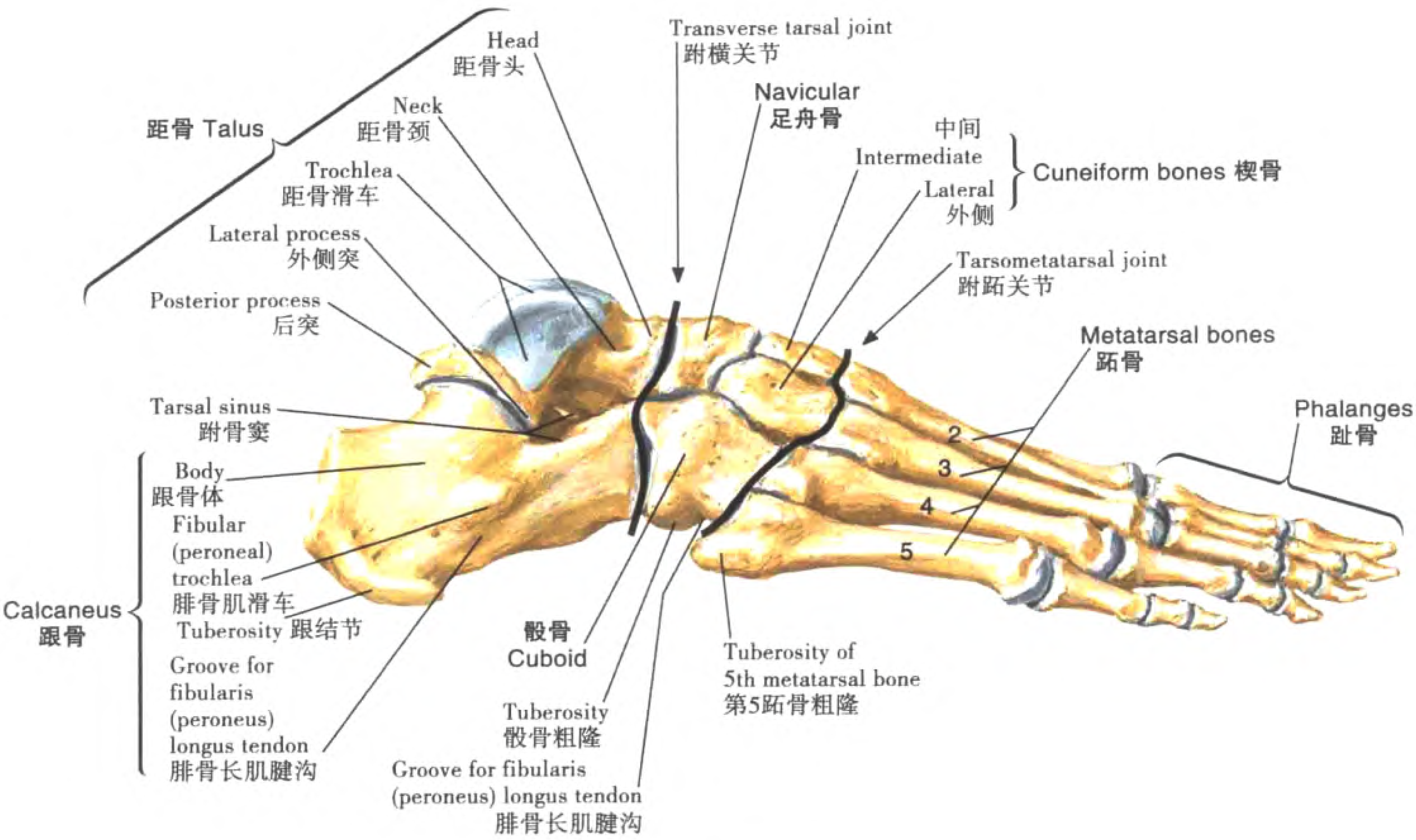


图 510 小腿

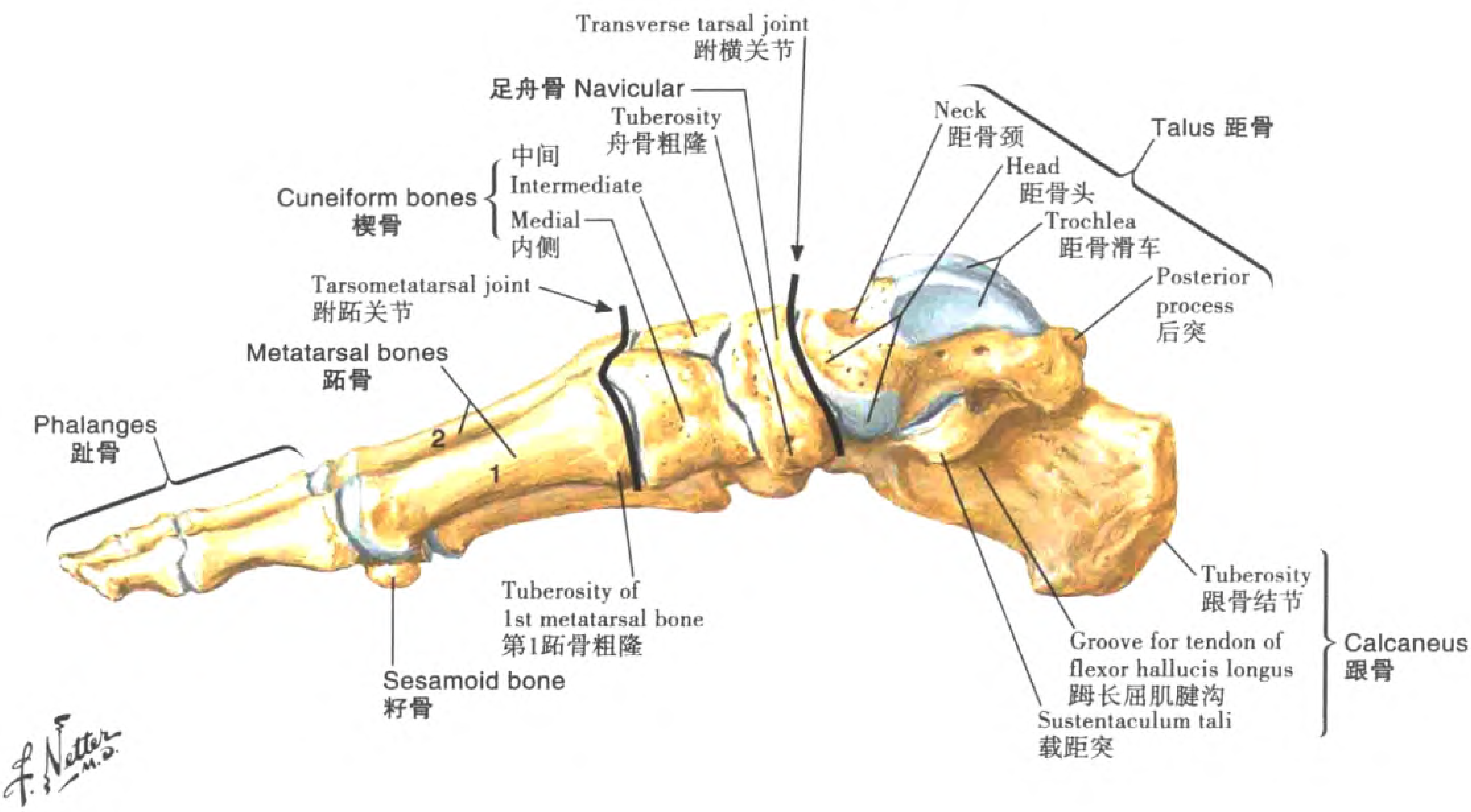

Dorsal view 足背观
趾骨底 Base
趾骨头 Head
趾骨体 Shaft (body)
趾骨底 Base
跖骨头 Head
跖骨体 Shaft (body)
趾骨底 Base
跗跖关节 Tarsometatarsal joint
内侧
中间
外侧
楔骨 Cuneiform bones
Medial
Intermediate
Lateral
舟骨粗隆 Tuberosity
Navicular
足舟骨
距骨头 Head
距骨颈 Neck
距骨滑车 Trochlea
Groove for tendon of flexor hallucis longus
踇长屈肌腱沟
Medial tubercle
内侧结节
Lateral tubercle
外侧结节
Posterior process
距骨后突
距骨 Talus
Phalanges 趾骨
Distal 远节
Middle 中节
Proximal 近节
1
2
3
4
5
Metatarsal bones
跖骨
Tuberosity of 5th metatarsal bone
第5跖骨粗隆
Cuboid 骰骨
Transverse tarsal joint 跗横关节
Tarsal sinus 跗骨窦
Calcaneus 跟骨
Fibular (peroneal) trochlea
腓骨肌滑车
Body
跟骨体


Plantar view 足底面观
Distal
远节
Middle
中节
Proximal
近节
Phalanges
趾骨
趾骨底 Base
趾骨头 Head
趾骨底 Base
趾骨头 Head
趾骨体 Shaft (body)
趾骨底 Base
跖骨头 Head
跖骨体 Shaft (body)
趾骨底 Base
第5跖骨粗隆 Tuberosity of 5th metatarsal bone
骰骨 Cuboid
腓骨长肌腱沟 Groove for fibularis (peroneus) longus tendon
骰骨粗隆 Tuberosity
跟骨 Calcaneus
腓骨肌滑车 Fibular (peroneal) trochlea
踇长屈肌腱沟 Groove for tendon of flexor hallucis longus
载距突 Sustentaculum tali
外侧突 Lateral process
内侧突 Medial process
Tuberosity
跟骨结节
外侧
Lateral
Medial
内侧
Sesamoid bones
籽骨
1
2
3
4
5
Metatarsal bones
跖骨
Tarsometatarsal joint 跗跖关节
Medial
Intermediate
Lateral
Cuneiform bones
楔骨
内侧
中间
外侧
Tuberosity 舟骨粗隆
Navicular 足舟骨
Transverse tarsal joint
跗横关节
Head 距骨头
Posterior process
距骨后突
Medial tubercle
内侧结节
Lateral tubercle
外侧结节
Talus
距骨

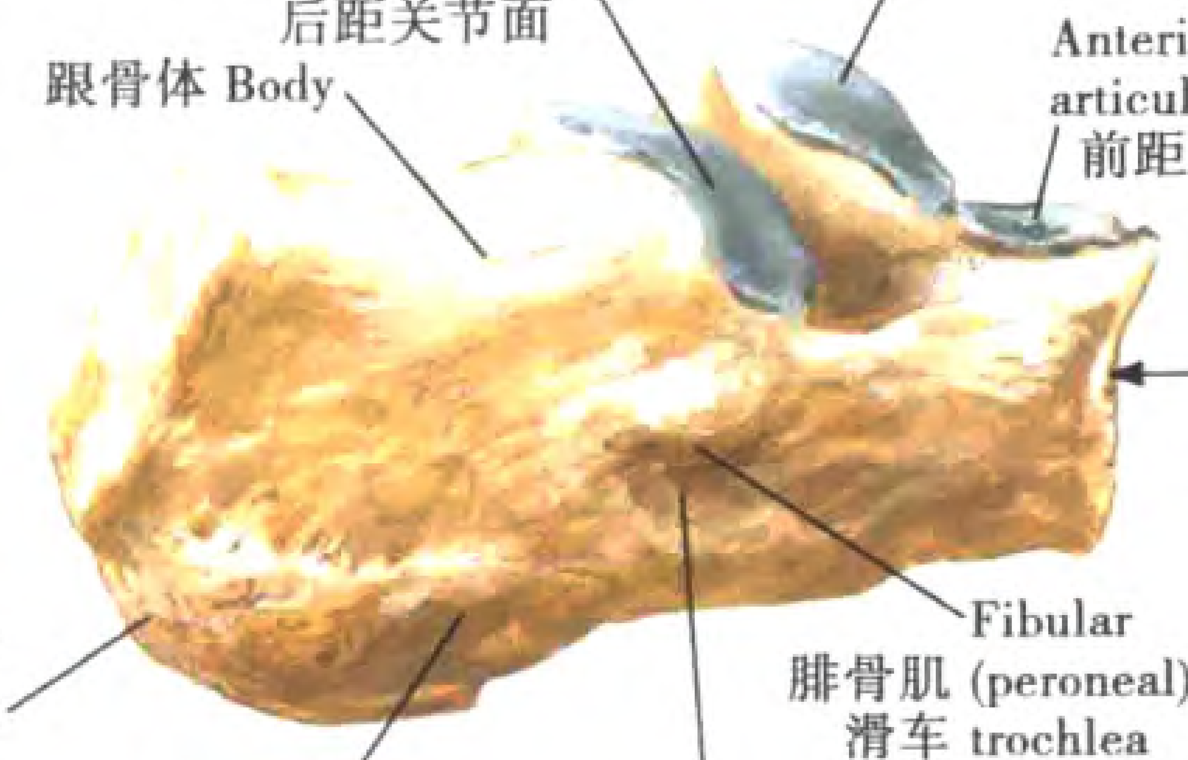
Lateral view 外侧面观



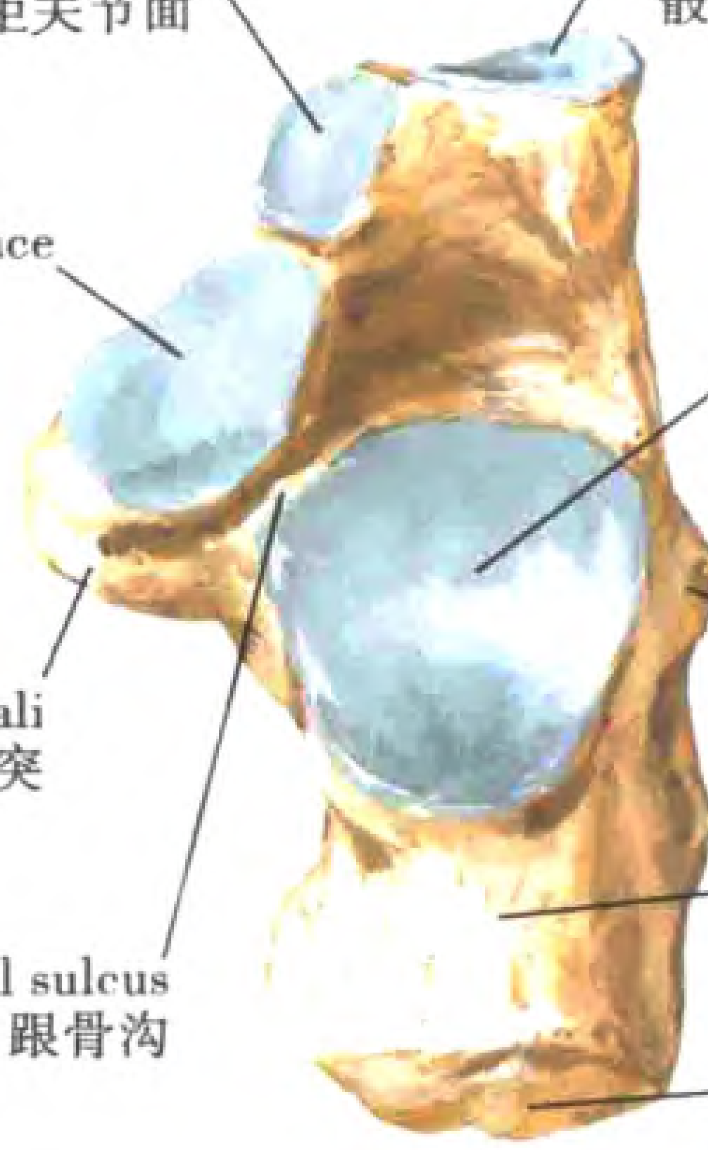
Medial view 内侧面观



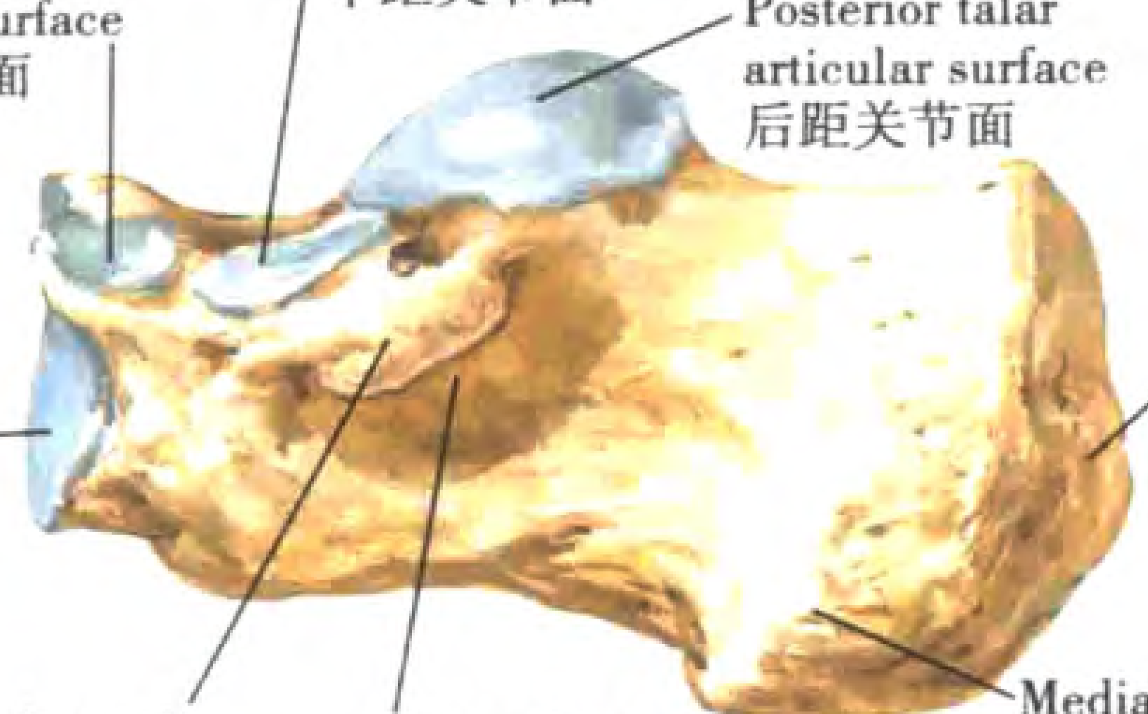
参见图 531



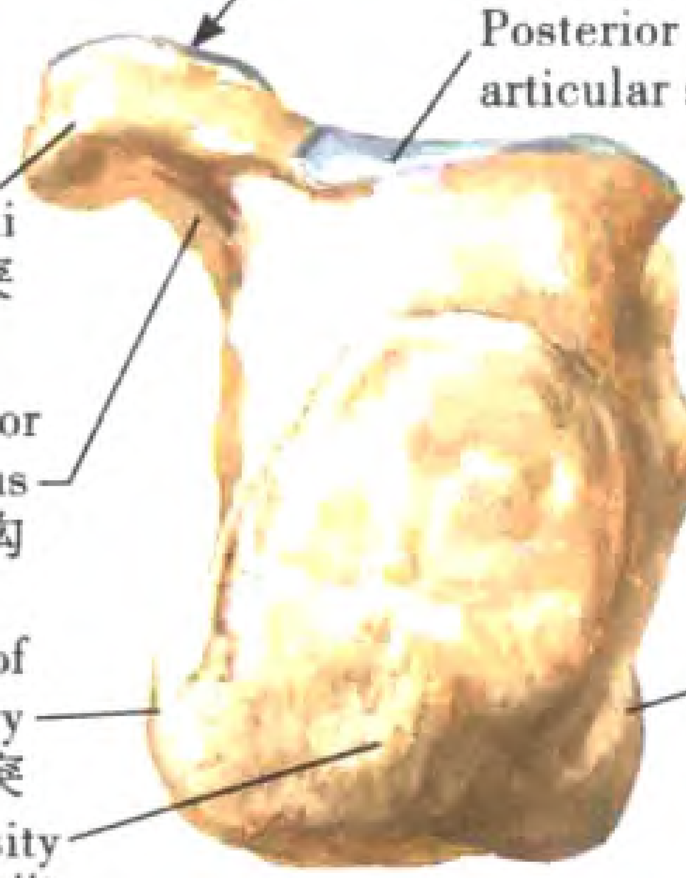
Lateral view 外侧面观



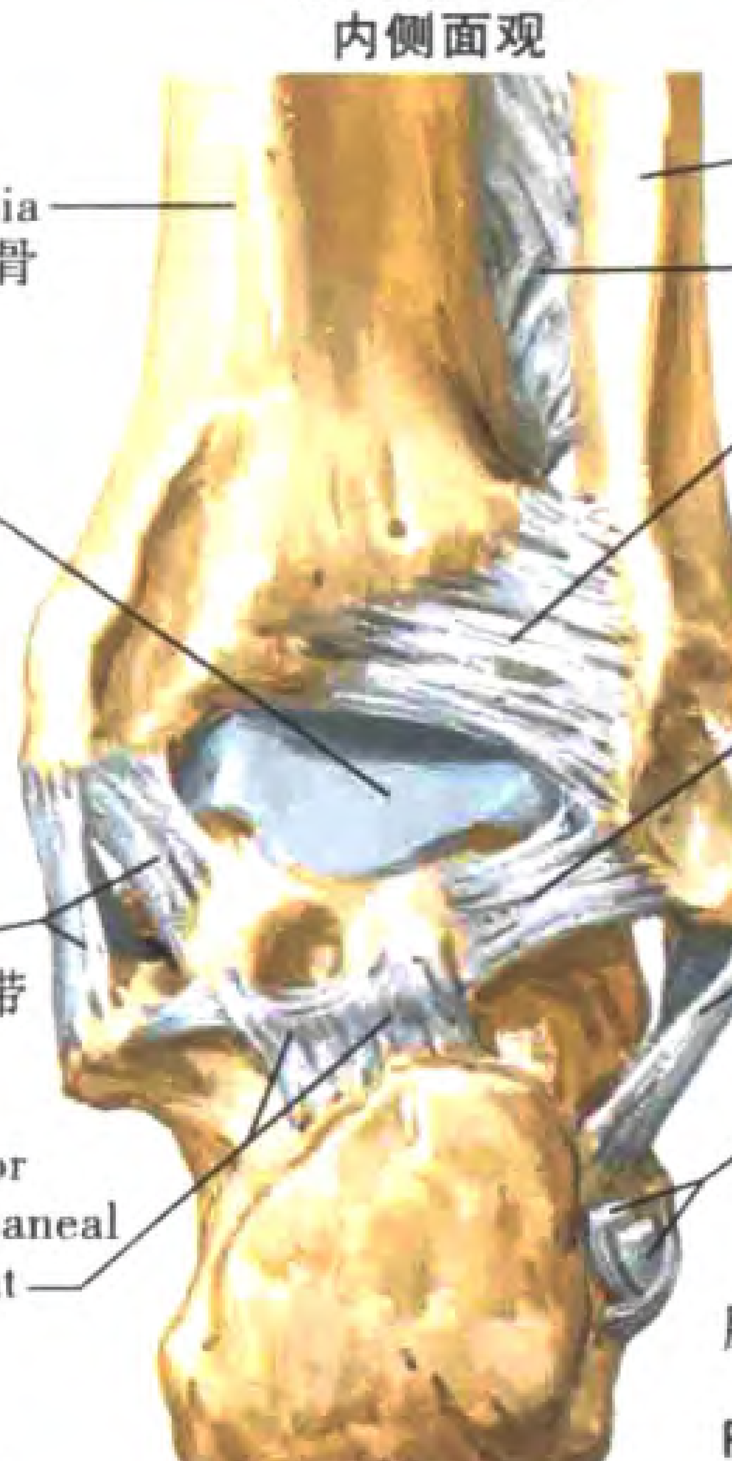
Superior view
上面观



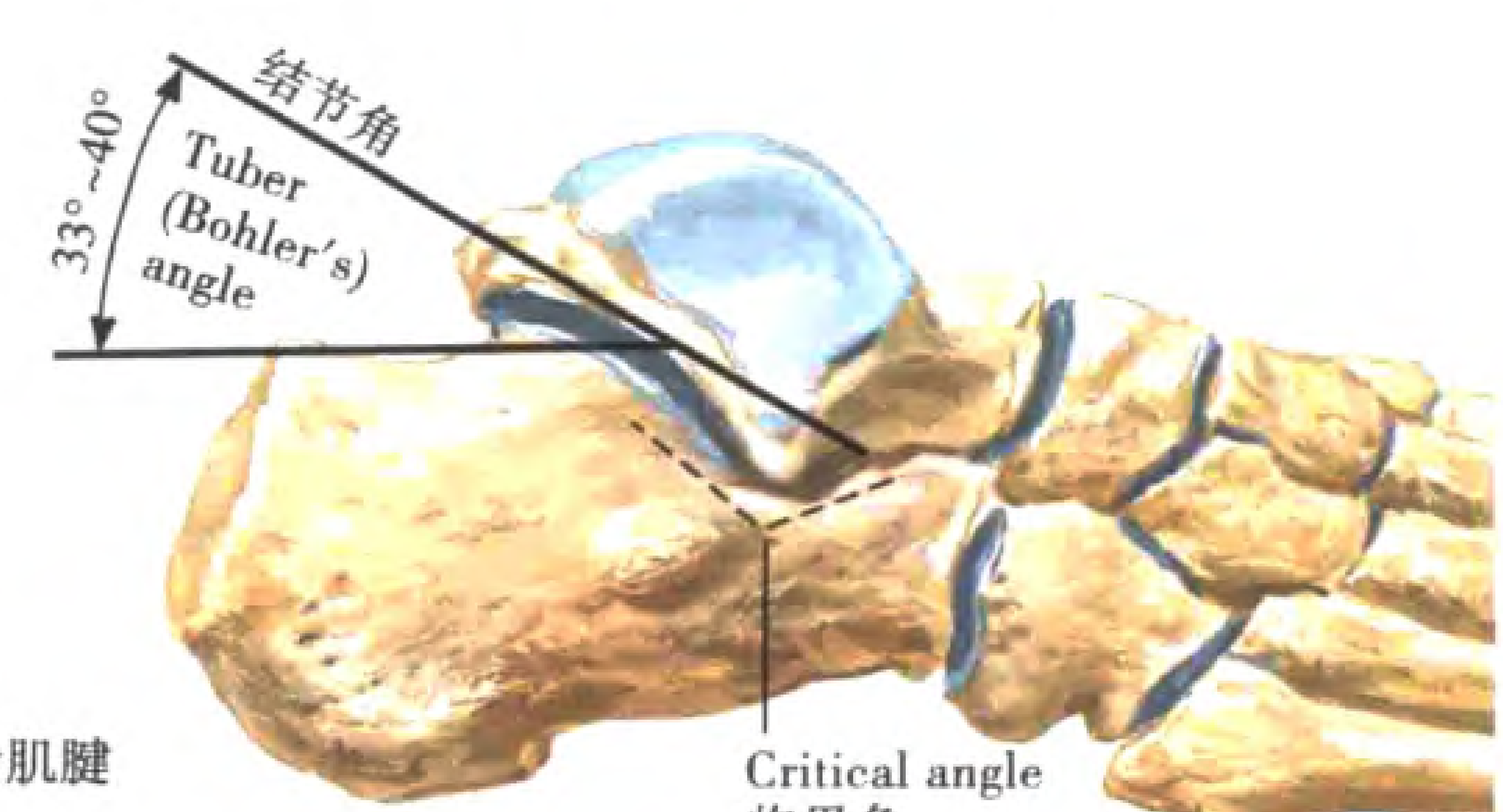
Medial view
内侧面观



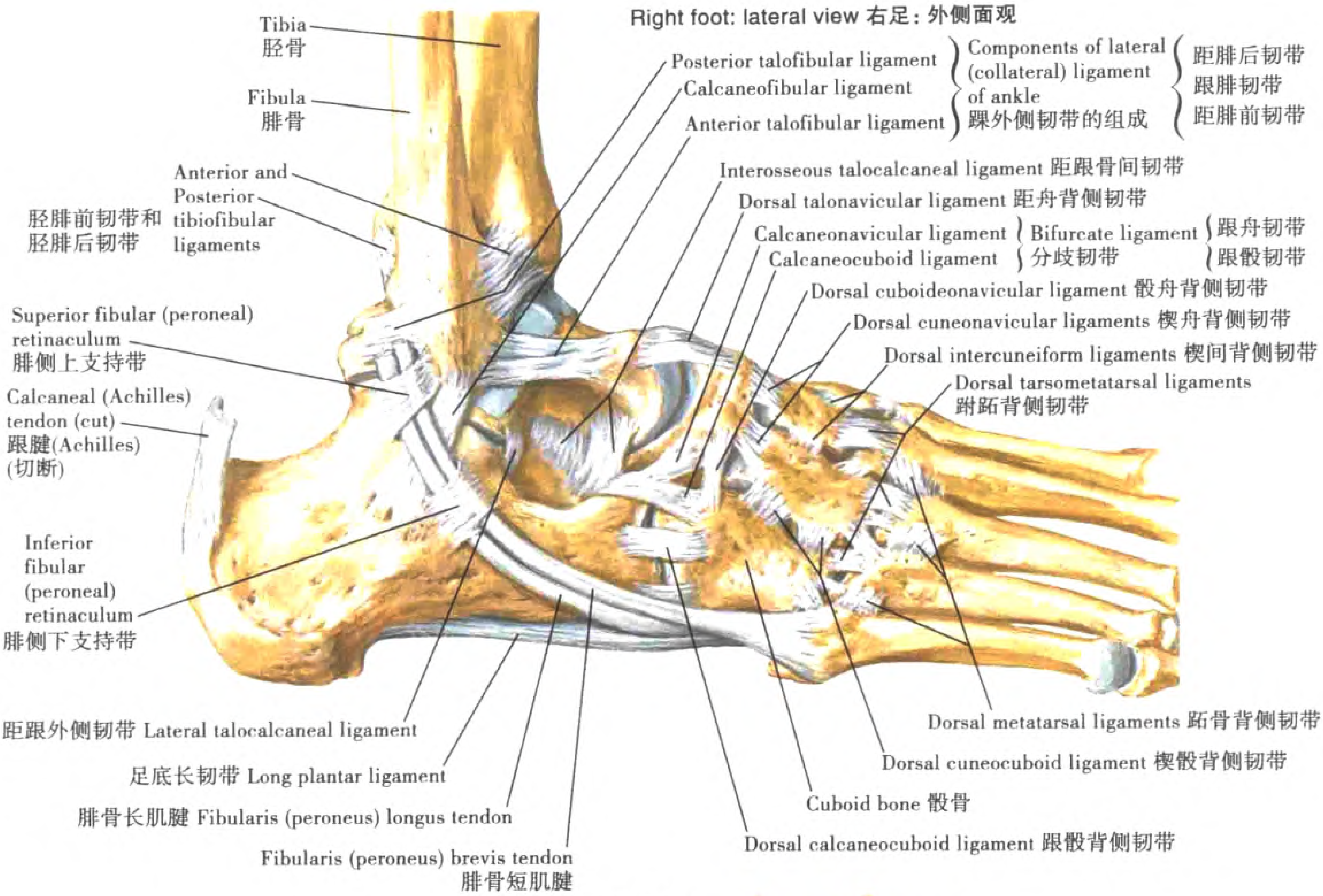
Posterior view
后面观

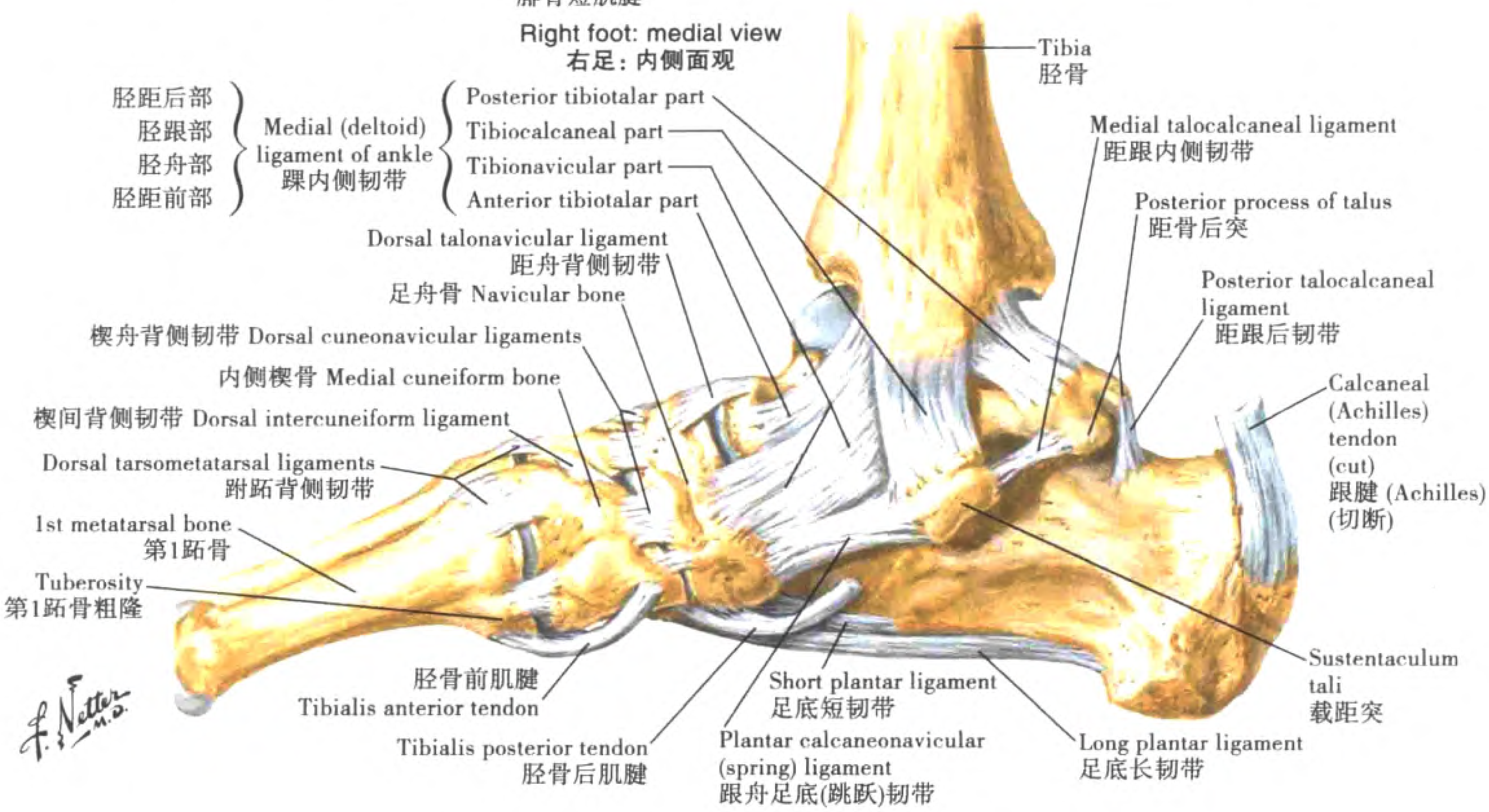


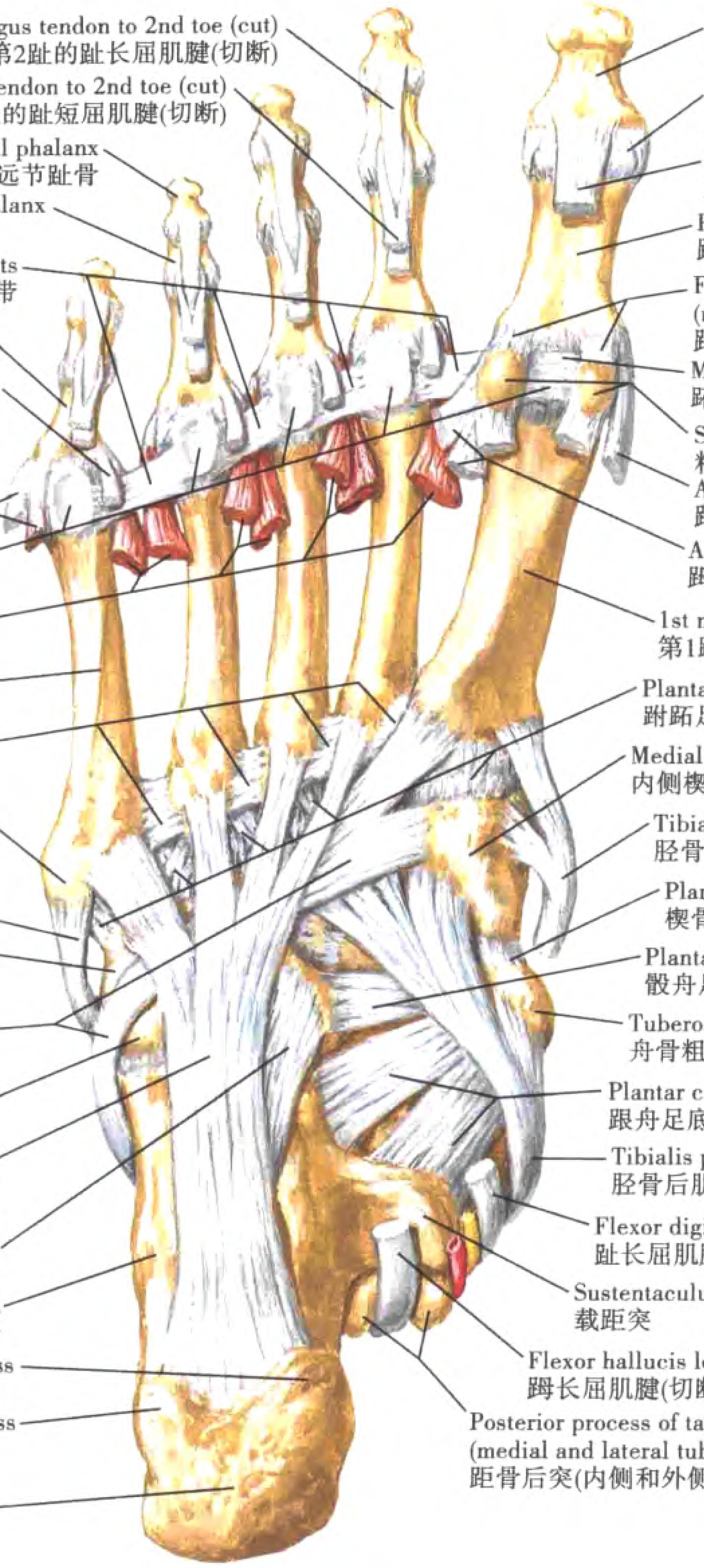
Posterior view with ligaments
附有韧带的后面观



Functional relations of calcaneus
跟骨的功能关系

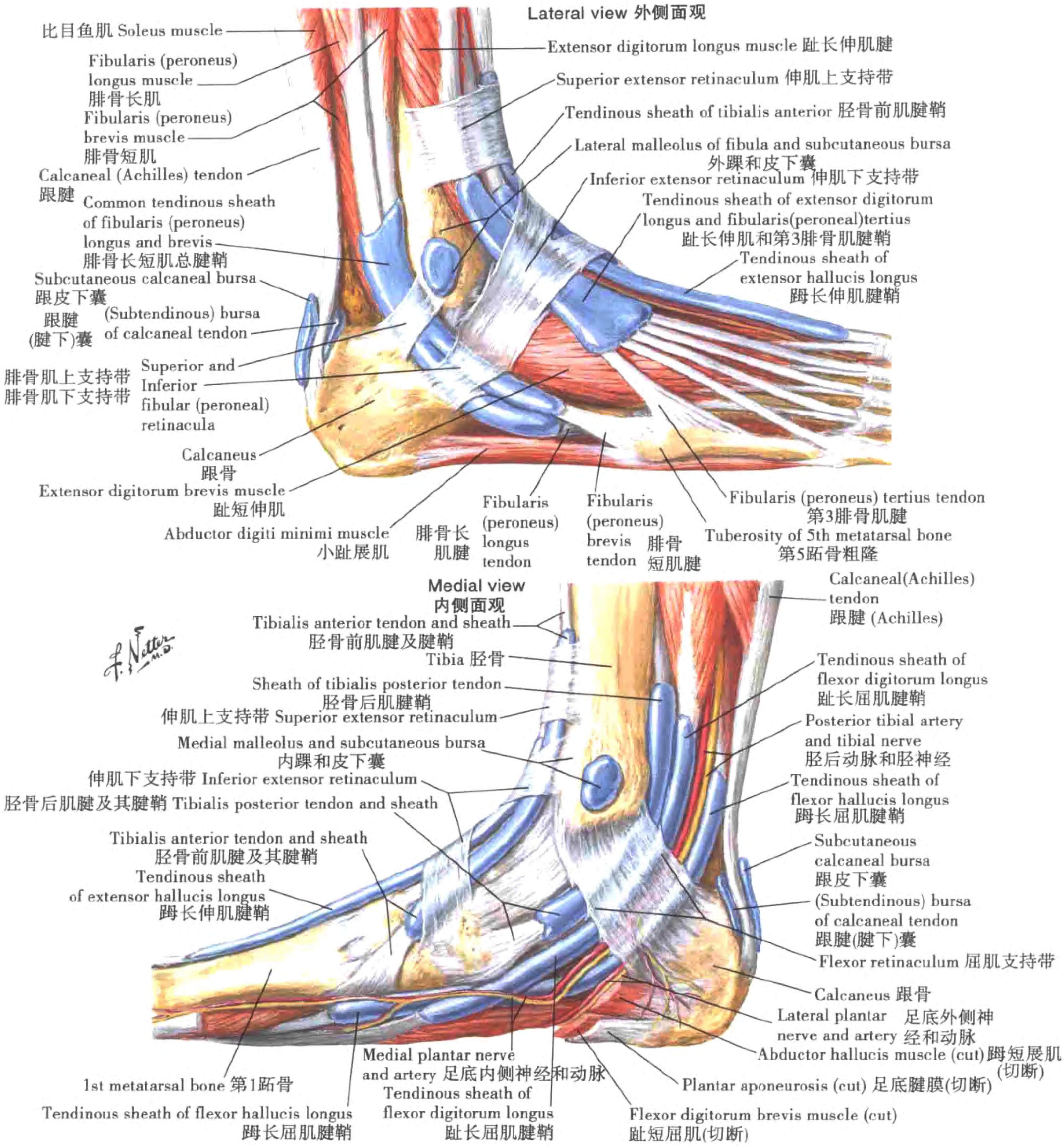

Right foot: lateral view 右足：外侧面观
Tibia 胫骨
Fibula 腓骨
Anterior and Posterior tibiofibular ligaments 胫腓前韧带和胫腓后韧带
Superior fibular (peroneal) retinaculum 腓侧上支持带
Calcaneal (Achilles) tendon (cut) 跟腱(Achilles)(切断)
Inferior fibular (peroneal) retinaculum 腓侧下支持带
Posterior talofibular ligament
Calcaneofibular ligament
Anterior talofibular ligament
Components of lateral (collateral) ligament of ankle 踝外侧韧带的组成
距腓后韧带
跟腓韧带
距腓前韧带
Interosseous talocalcaneal ligament 距跟骨间韧带
Dorsal talonavicular ligament 距舟背侧韧带
Calcaneonavicular ligament
Calcaneocuboid ligament
Bifurcate ligament 分歧韧带
跟舟韧带
跟骰韧带
Dorsal cuboideonavicular ligament 骰舟背侧韧带
Dorsal cuneonavicular ligaments 楔舟背侧韧带
Dorsal intercuneiform ligaments 楔间背侧韧带
Dorsal tarsometatarsal ligaments 跗跖背侧韧带
距跟外侧韧带 Lateral talocalcaneal ligament
足底长韧带 Long plantar ligament
腓骨长肌腱 Fibularis (peroneus) longus tendon
Fibularis (peroneus) brevis tendon 腓骨短肌腱
Dorsal metatarsal ligaments 跖骨背侧韧带
Dorsal cuneocuboid ligament 楔骰背侧韧带
Cuboid bone 骰骨
Dorsal calcaneocuboid ligament 跟骰背侧韧带

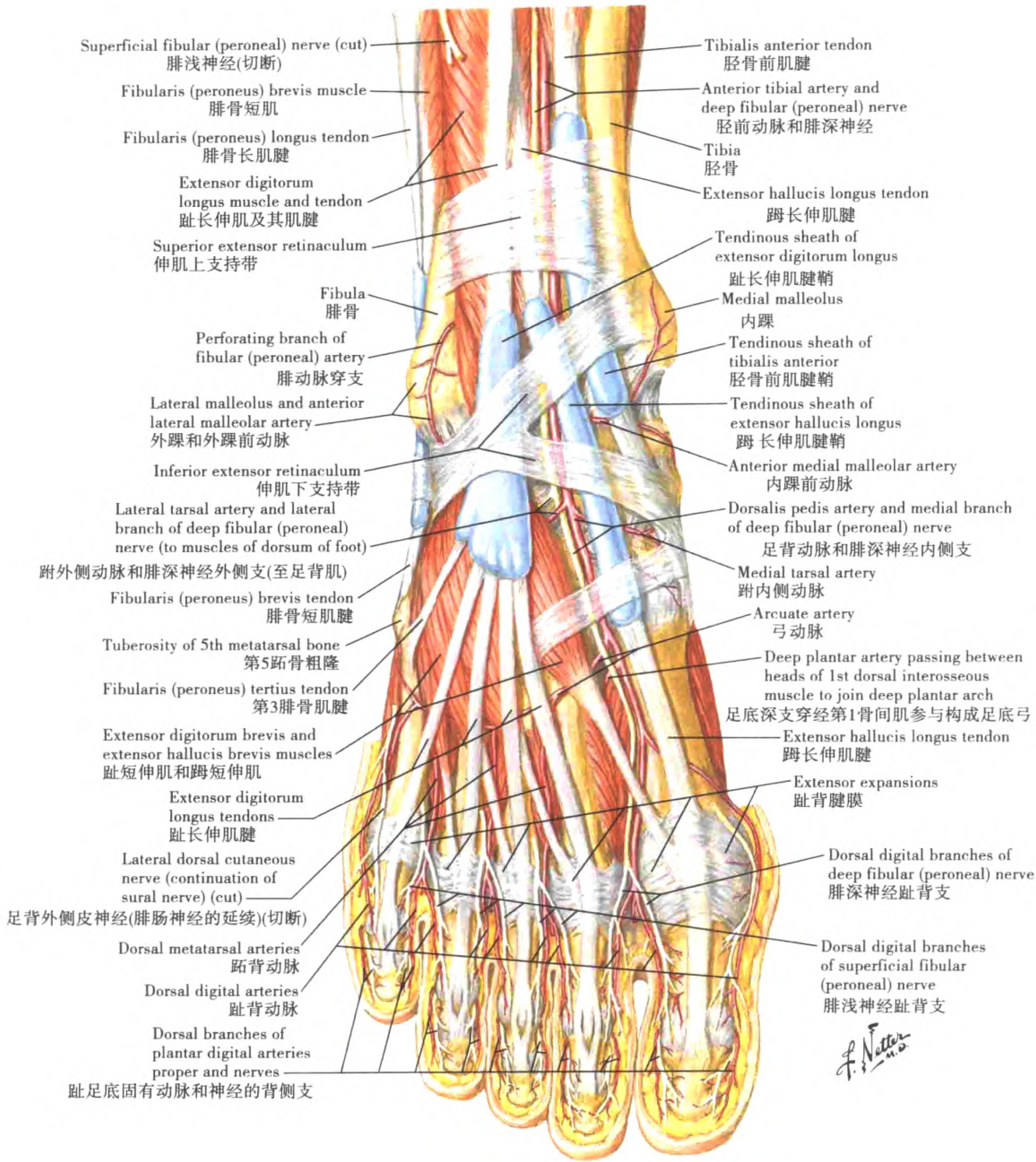

Right foot: medial view 右足：内侧面观
胫距后部
胫跟部
胫舟部
胫距前部
Medial (deltoid) ligament of ankle 踝内侧韧带
Posterior tibiotalar part
Tibiocalcaneal part
Tibionavicular part
Anterior tibiotalar part
Dorsal talonavicular ligament 距舟背侧韧带
足舟骨 Navicular bone
楔舟背侧韧带 Dorsal cuneonavicular ligaments
内侧楔骨 Medial cuneiform bone
楔间背侧韧带 Dorsal intercuneiform ligament
Dorsal tarsometatarsal ligaments 跗跖背侧韧带
1st metatarsal bone 第1跖骨
Tuberosity 第1跖骨粗隆
胫骨前肌腱 Tibialis anterior tendon
Tibialis posterior tendon 胫骨后肌腱
Tibia 胫骨
Medial talocalcaneal ligament 距跟内侧韧带
Posterior process of talus 距骨后突
Posterior talocalcaneal ligament 距跟后韧带
Calcaneal (Achilles) tendon (cut) 跟腱 (Achilles) (切断)
Sustentaculum tali 载距突
Short plantar ligament 足底短韧带
Plantar calcaneonavicular (spring) ligament 跟舟足底(跳跃)韧带
Long plantar ligament 足底长韧带
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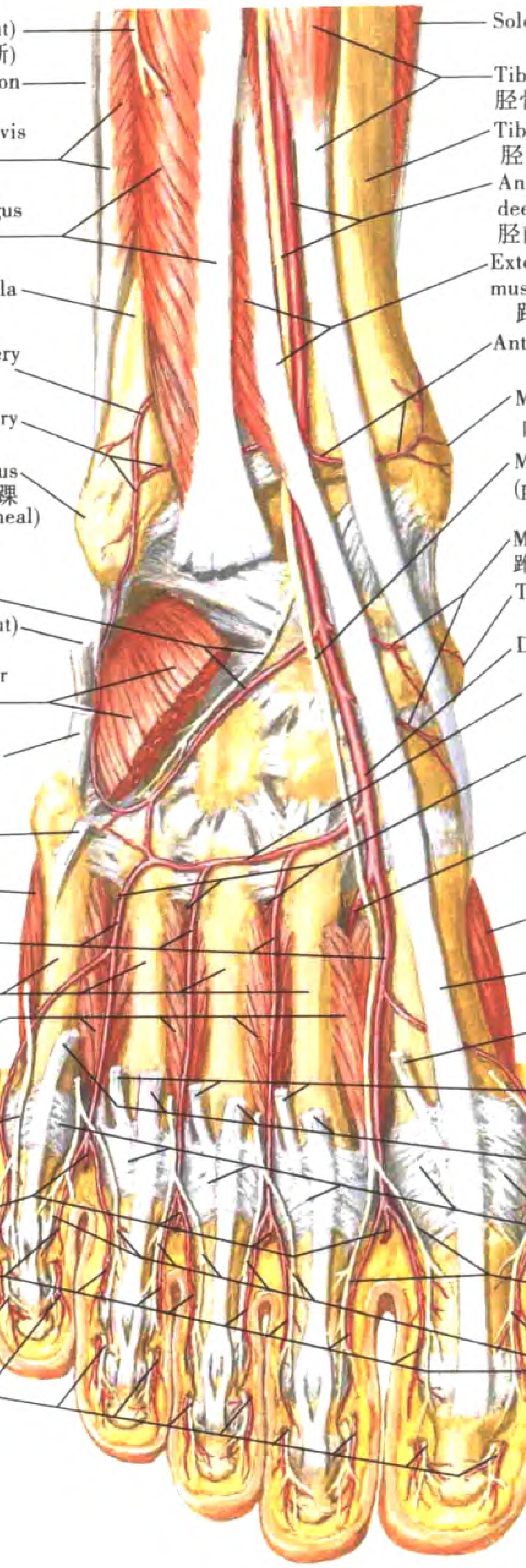


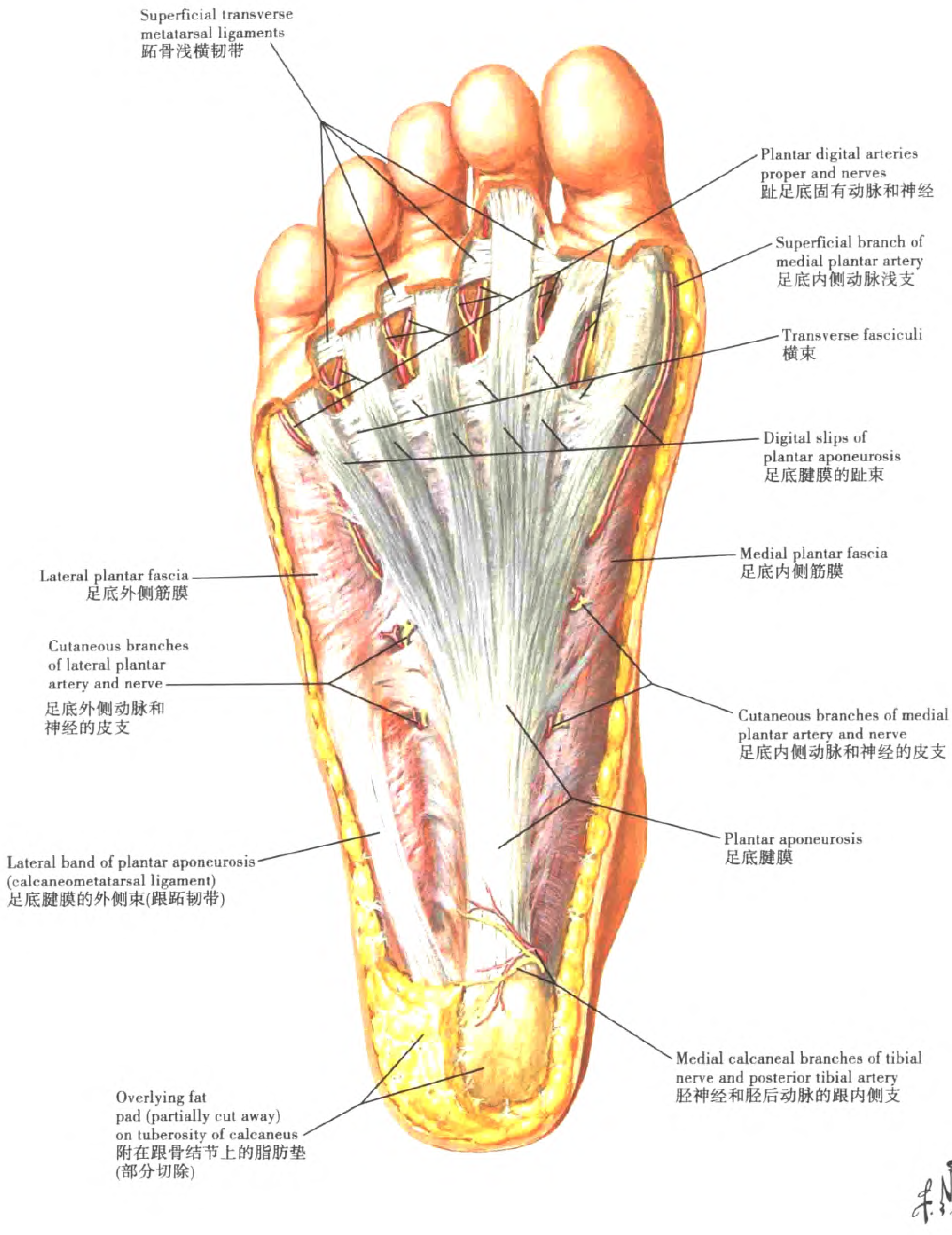


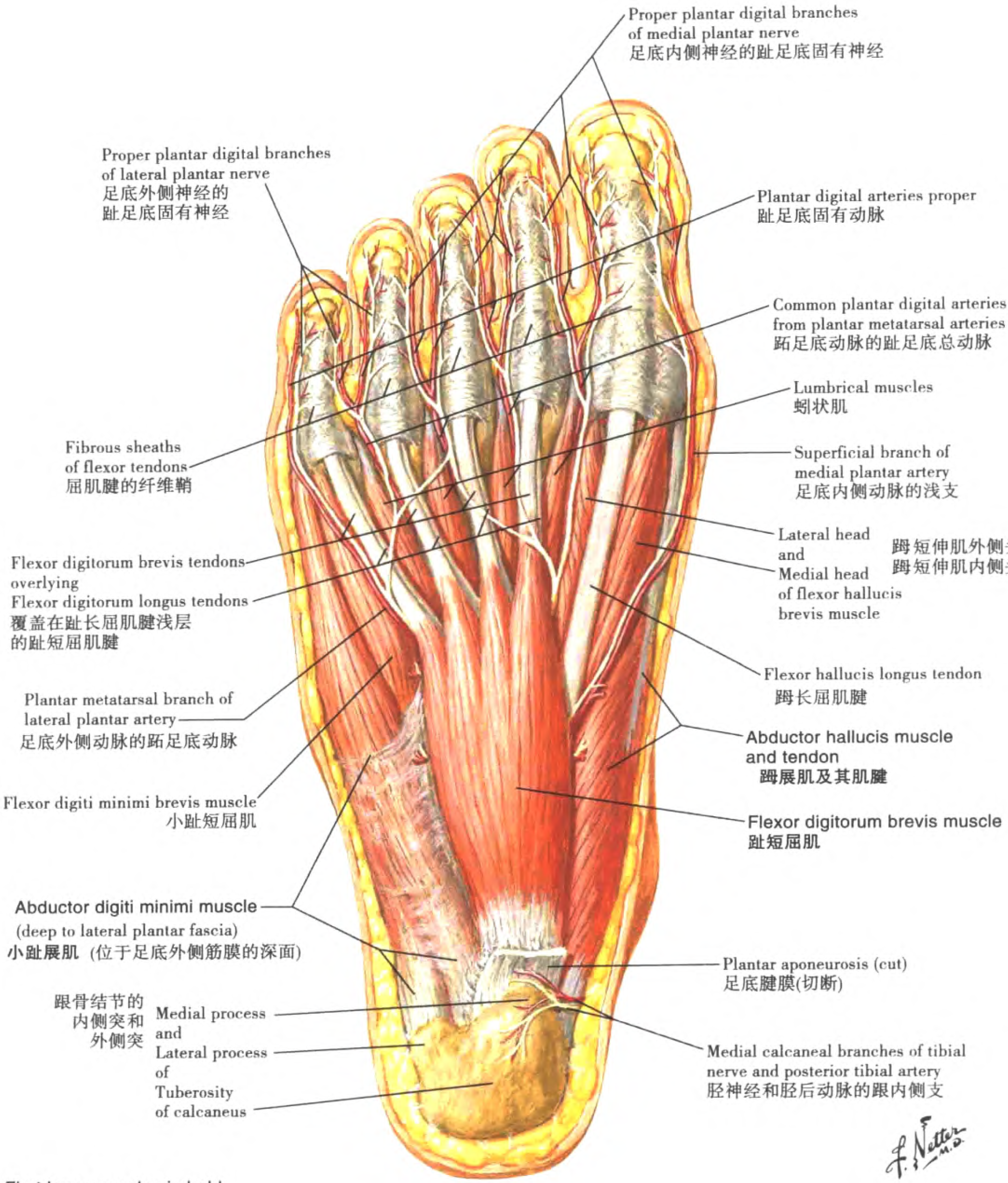
Capsules and ligaments of metatarsophalangeal and interphalangeal joints: lateral view
跖趾关节和趾间关节的关节囊和韧带：外侧面观


Lateral view 外侧面观
比目鱼肌 Soleus muscle
Fibularis (peroneus) longus muscle 腓骨长肌
Fibularis (peroneus) brevis muscle 腓骨短肌
Calcaneal (Achilles) tendon 跟腱
Common tendinous sheath of fibularis (peroneus) longus and brevis 腓骨长短肌总腱鞘
Subcutaneous calcaneal bursa 跟皮下囊
跟腱(腱下)囊 (Subtendinous) bursa of calcaneal tendon
腓骨肌上支持带 腓骨肌下支持带 Superior and Inferior fibular (peroneal) retinacula
Calcaneus 跟骨
Extensor digitorum brevis muscle 趾短伸肌
Abductor digiti minimi muscle 小趾展肌
腓骨长肌腱 Fibularis (peroneus) longus tendon
Fibularis (peroneus) brevis tendon 腓骨短肌腱
Extensor digitorum longus muscle 趾长伸肌腱
Superior extensor retinaculum 伸肌上支持带
Tendinous sheath of tibialis anterior 胫骨前肌腱鞘
Lateral malleolus of fibula and subcutaneous bursa 外踝和皮下囊
Inferior extensor retinaculum 伸肌下支持带
Tendinous sheath of extensor digitorum longus and fibularis(peroneal)tertius 趾长伸肌和第3腓骨肌腱鞘
Tendinous sheath of extensor hallucis longus 踇长伸肌腱鞘
Fibularis (peroneus) tertius tendon 第3腓骨肌腱
Tuberosity of 5th metatarsal bone 第5跖骨粗隆
Medial view 内侧面观
Tibialis anterior tendon and sheath 胫骨前肌腱及腱鞘
Tibia 胫骨
Sheath of tibialis posterior tendon 胫骨后肌腱鞘
伸肌上支持带 Superior extensor retinaculum
Medial malleolus and subcutaneous bursa 内踝和皮下囊
伸肌下支持带 Inferior extensor retinaculum
胫骨后肌腱及其腱鞘 Tibialis posterior tendon and sheath
Tibialis anterior tendon and sheath 胫骨前肌腱及其腱鞘
Tendinous sheath of extensor hallucis longus 踇长伸肌腱鞘
1st metatarsal bone 第1跖骨
Tendinous sheath of flexor hallucis longus 踇长屈肌腱鞘
Medial plantar nerve and artery 足底内侧神经和动脉
Tendinous sheath of flexor digitorum longus 趾长屈肌腱鞘
Calcaneal(Achilles) tendon 跟腱 (Achilles)
Tendinous sheath of flexor digitorum longus 趾长屈肌腱鞘
Posterior tibial artery and tibial nerve 胫后动脉和胫神经
Tendinous sheath of flexor hallucis longus 踇长屈肌腱鞘
Subcutaneous calcaneal bursa 跟皮下囊
(Subtendinous) bursa of calcaneal tendon 跟腱(腱下)囊
Flexor retinaculum 屈肌支持带
Calcaneus 跟骨
Lateral plantar nerve and artery 足底外侧神经和动脉
Abductor hallucis muscle (cut) 踇短展肌(切断)
Plantar aponeurosis (cut) 足底腱膜(切断)
Flexor digitorum brevis muscle (cut) 趾短屈肌(切断)
F. Netter M.D.


Superficial fibular (peroneal) nerve (cut)
腓浅神经(切断)
Fibularis (peroneus) brevis muscle
腓骨短肌
Fibularis (peroneus) longus tendon
腓骨长肌腱
Extensor digitorum longus muscle and tendon
趾长伸肌及其肌腱
Superior extensor retinaculum
伸肌上支持带
Fibula
腓骨
Perforating branch of fibular (peroneal) artery
腓动脉穿支
Lateral malleolus and anterior lateral malleolar artery
外踝和外踝前动脉
Inferior extensor retinaculum
伸肌下支持带
Lateral tarsal artery and lateral branch of deep fibular (peroneal) nerve (to muscles of dorsum of foot)
跗外侧动脉和腓深神经外侧支(至足背肌)
Fibularis (peroneus) brevis tendon
腓骨短肌腱
Tuberosity of 5th metatarsal bone
第5跖骨粗隆
Fibularis (peroneus) tertius tendon
第3腓骨肌腱
Extensor digitorum brevis and extensor hallucis brevis muscles
趾短伸肌和踇短伸肌
Extensor digitorum longus tendons
趾长伸肌腱
Lateral dorsal cutaneous nerve (continuation of sural nerve) (cut)
足背外侧皮神经(腓肠神经的延续)(切断)
Dorsal metatarsal arteries
跖背动脉
Dorsal digital arteries
趾背动脉
Dorsal branches of plantar digital arteries proper and nerves
趾足底固有动脉和神经的背侧支
Tibialis anterior tendon
胫骨前肌腱
Anterior tibial artery and deep fibular (peroneal) nerve
胫前动脉和腓深神经
Tibia
胫骨
Extensor hallucis longus tendon
踇长伸肌腱
Tendinous sheath of extensor digitorum longus
趾长伸肌腱鞘
Medial malleolus
内踝
Tendinous sheath of tibialis anterior
胫骨前肌腱鞘
Tendinous sheath of extensor hallucis longus
踇长伸肌腱鞘
Anterior medial malleolar artery
内踝前动脉
Dorsalis pedis artery and medial branch of deep fibular (peroneal) nerve
足背动脉和腓深神经内侧支
Medial tarsal artery
跗内侧动脉
Arcuate artery
弓动脉
Deep plantar artery passing between heads of 1st dorsal interosseous muscle to join deep plantar arch
足底深支穿经第1骨间肌参与构成足底弓
Extensor hallucis longus tendon
踇长伸肌腱
Extensor expansions
趾背腱膜
Dorsal digital branches of deep fibular (peroneal) nerve
腓深神经趾背支
Dorsal digital branches of superficial fibular (peroneal) nerve
腓浅神经趾背支
F. Netter M.D.

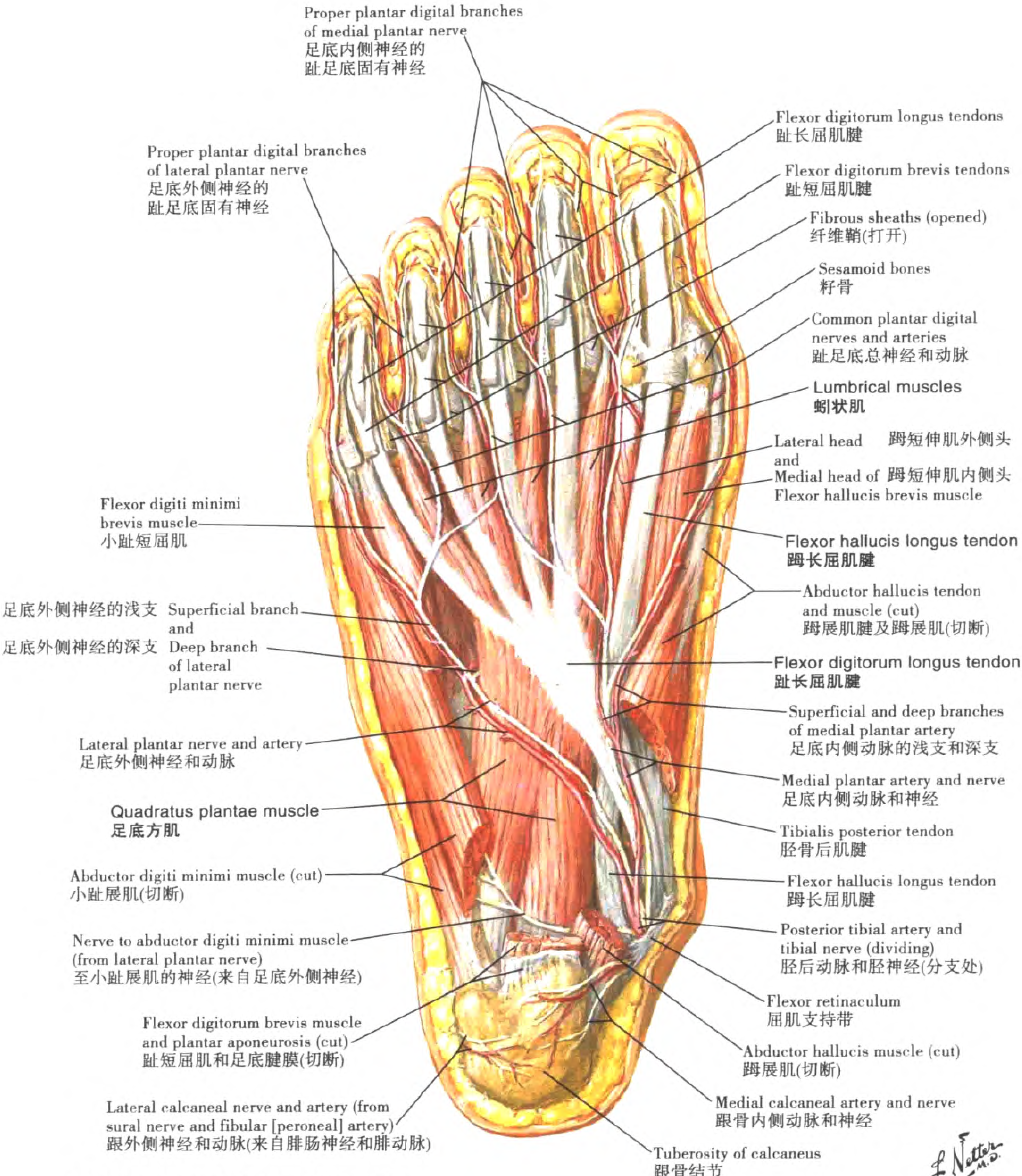

Superficial fibular (peroneal) nerve (cut) 腓浅神经(切断)
腓骨长肌腱 Fibularis (peroneus) longus tendon
腓骨短肌及其肌腱 Fibularis (peroneus) brevis muscle and tendon
趾长伸肌及其肌腱 Extensor digitorum longus muscle and tendon
腓骨 Fibula
Perforating branch of fibular (peroneal) artery 腓动脉穿支
外踝前动脉 Anterior lateral malleolar artery
Lateral malleolus 外踝
Lateral branch of deep fibular (peroneal) nerve (to muscles of dorsum of foot) and lateral tarsal artery
腓深神经外侧支(至足背肌)和跗外侧动脉
Fibularis (peroneus) longus tendon (cut) 腓骨长肌腱(切断)
Extensor digitorum brevis and extensor hallucis brevis muscles (cut)
趾短伸肌和䠋短伸肌(切断)
Fibularis (peroneus) brevis tendon (cut) 腓骨短肌腱(切断)
Fibularis (peroneus) tertius tendon (cut) 第3腓骨肌腱(切断)
Abductor digiti minimi muscle 小趾展肌
Dorsal metatarsal arteries 跖背动脉
Metatarsal bones 跖骨
Dorsal interosseous muscles 骨间背侧肌
Lateral dorsal cutaneous nerve (continuation of sural nerve) (cut)
足背外侧皮神经(腓肠神经的延续)(切断)
Anterior perforating branches from plantar metatarsal arteries
跖足底动脉的前穿支
Dorsal digital arteries 趾背动脉
Dorsal branches of plantar digital arteries proper and nerves
趾足底固有动脉和神经的背侧支
Soleus muscle 比目鱼肌
Tibialis anterior muscle and tendon 胫骨前肌及其肌腱
Tibia 胫骨
Anterior tibial artery and deep fibular (peroneal) nerve 胫前动脉和腓深神经
Extensor hallucis longus muscle and tendon 䠋长伸肌及其肌腱
Anterior medial malleolar artery 内踝前动脉
Medial malleolus 内踝
Medial branch of deep fibular (peroneal) nerve腓深神经内侧支
Medial tarsal arteries 跗内侧动脉
Tuberosity of navicular bone 足舟骨粗隆
Dorsalis pedis artery 足背动脉
Arcuate artery 弓状动脉
Posterior perforating branches from deep plantar arch 足底深弓的后穿支
Deep plantar artery to deep plantar arch 至足底深弓的足底深动脉
Abductor hallucis muscle 䠋展肌
Extensor hallucis longus tendon 䠋长伸肌腱
Extensor hallucis brevis tendon (cut) 䠋短伸肌腱(切断)
Extensor digitorum brevis tendons (cut) 趾短伸肌腱(切断)
Extensor digitorum longus tendons (cut) 趾长伸肌腱(切断)
Extensor expansions 趾背腱膜
Dorsal digital branches of deep fibular (peroneal) nerve 腓深神经趾背支
Dorsal digital branches of superficial fibular (peroneal) nerve 腓浅神经趾背支
F. Netter M.D.


Superficial transverse metatarsal ligaments
跖骨浅横韧带
Plantar digital arteries proper and nerves
趾足底固有动脉和神经
Superficial branch of medial plantar artery
足底内侧动脉浅支
Transverse fasciculi
横束
Digital slips of plantar aponeurosis
足底腱膜的趾束
Medial plantar fascia
足底内侧筋膜
Lateral plantar fascia
足底外侧筋膜
Cutaneous branches of lateral plantar artery and nerve
足底外侧动脉和神经的皮支
Cutaneous branches of medial plantar artery and nerve
足底内侧动脉和神经的皮支
Plantar aponeurosis
足底腱膜
Lateral band of plantar aponeurosis (calcaneometatarsal ligament)
足底腱膜的外侧束(跟跖韧带)
Medial calcaneal branches of tibial nerve and posterior tibial artery
胫神经和胫后动脉的跟内侧支
Overlying fat pad (partially cut away) on tuberosity of calcaneus
附在跟骨结节上的脂肪垫(部分切除)

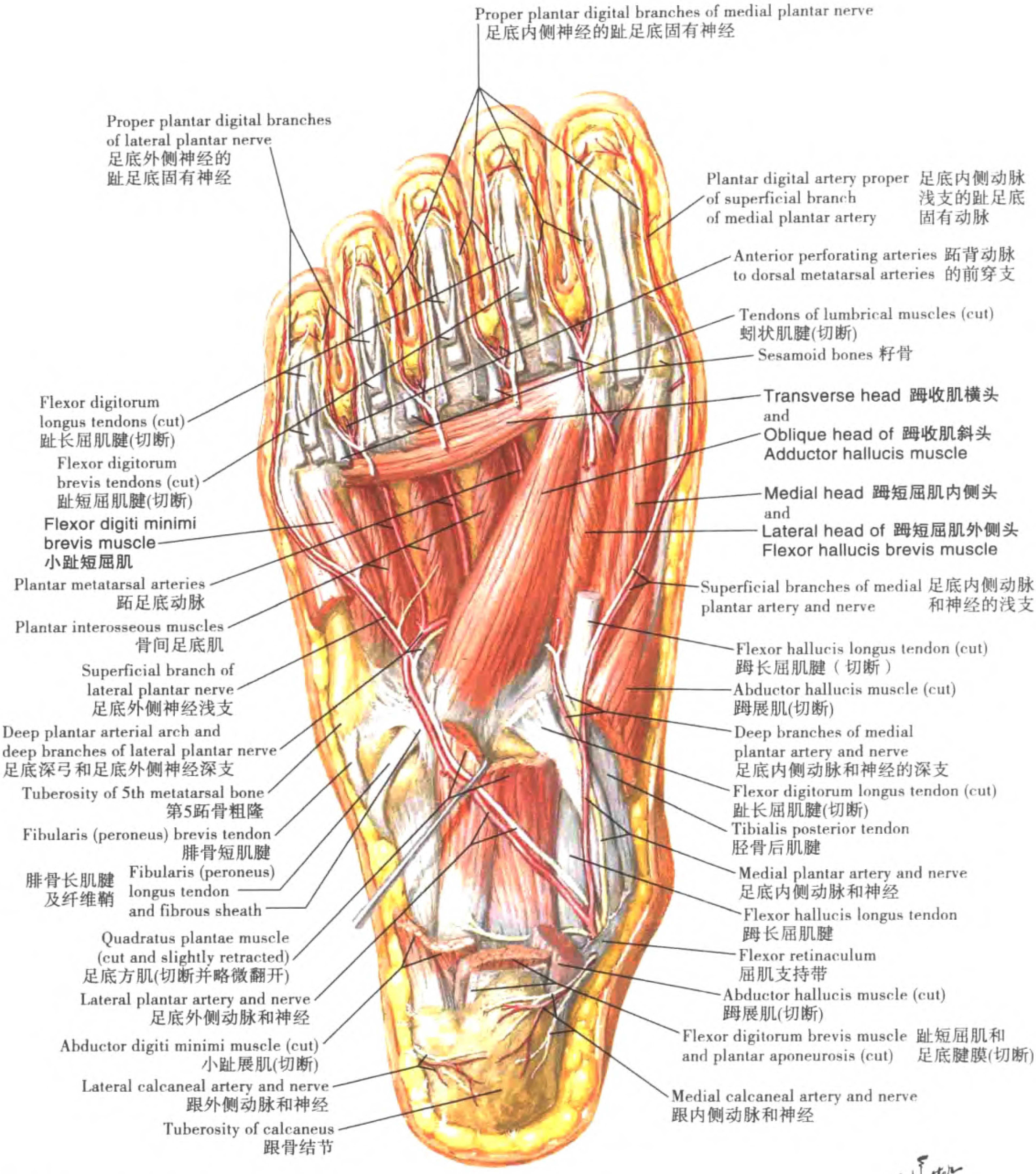


First layer muscles in bold
粗体标记第一层肌肉

参见图 528



Second layer tendons and muscles in bold
粗体标记第二层肌肉和肌腱



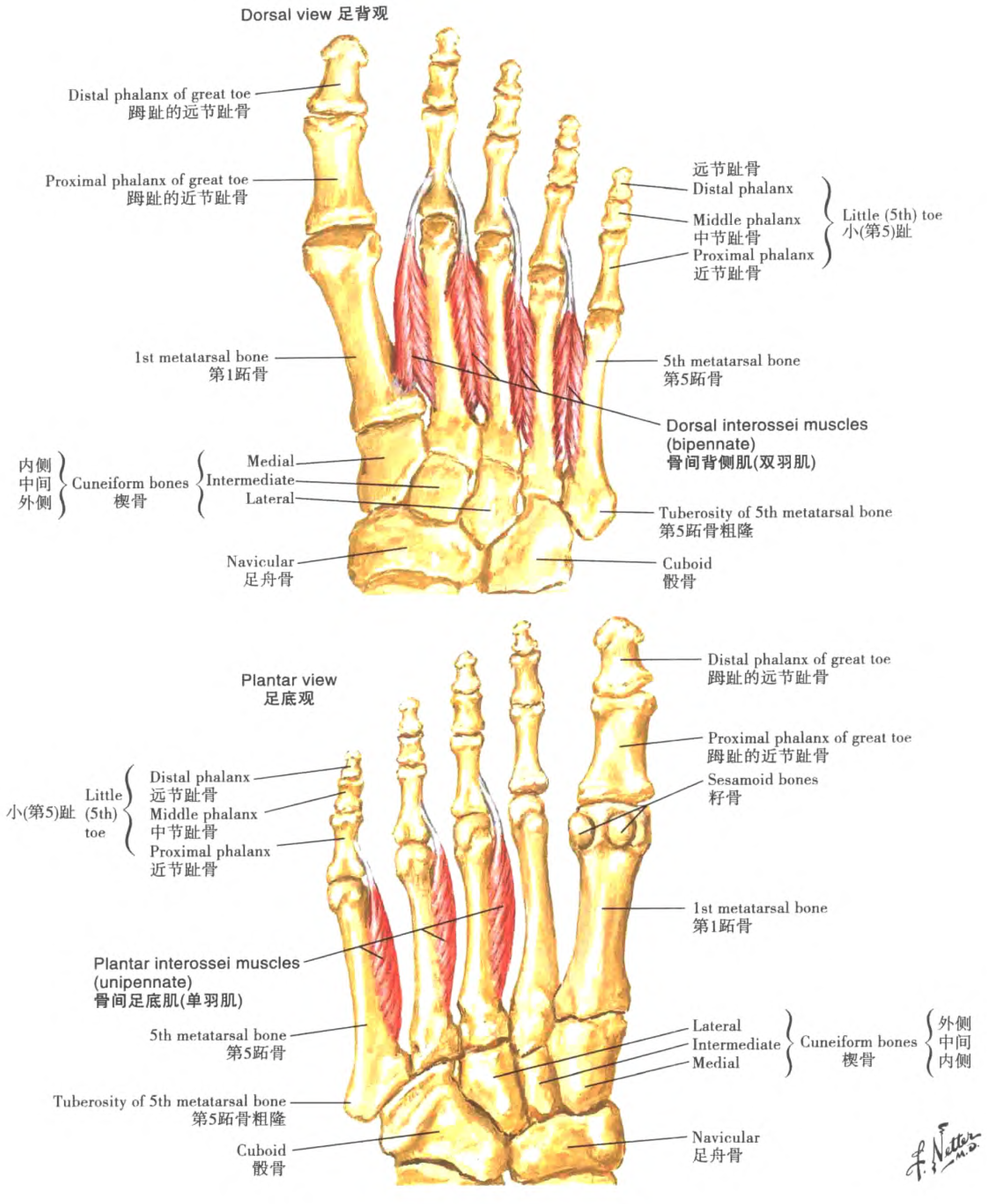
Third layer muscles in bold
粗体标记第三层肌肉

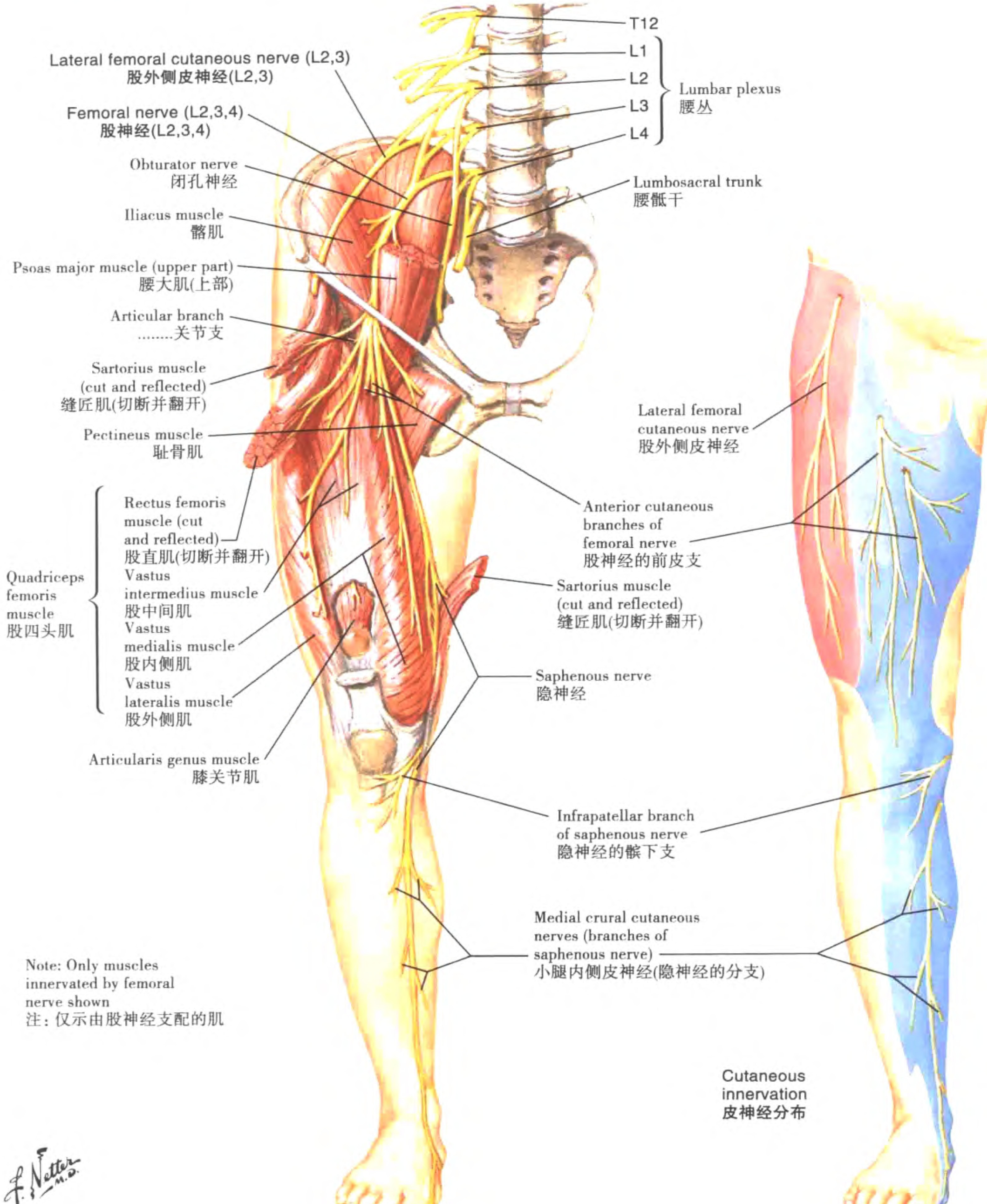
骨间肌和足的深动脉

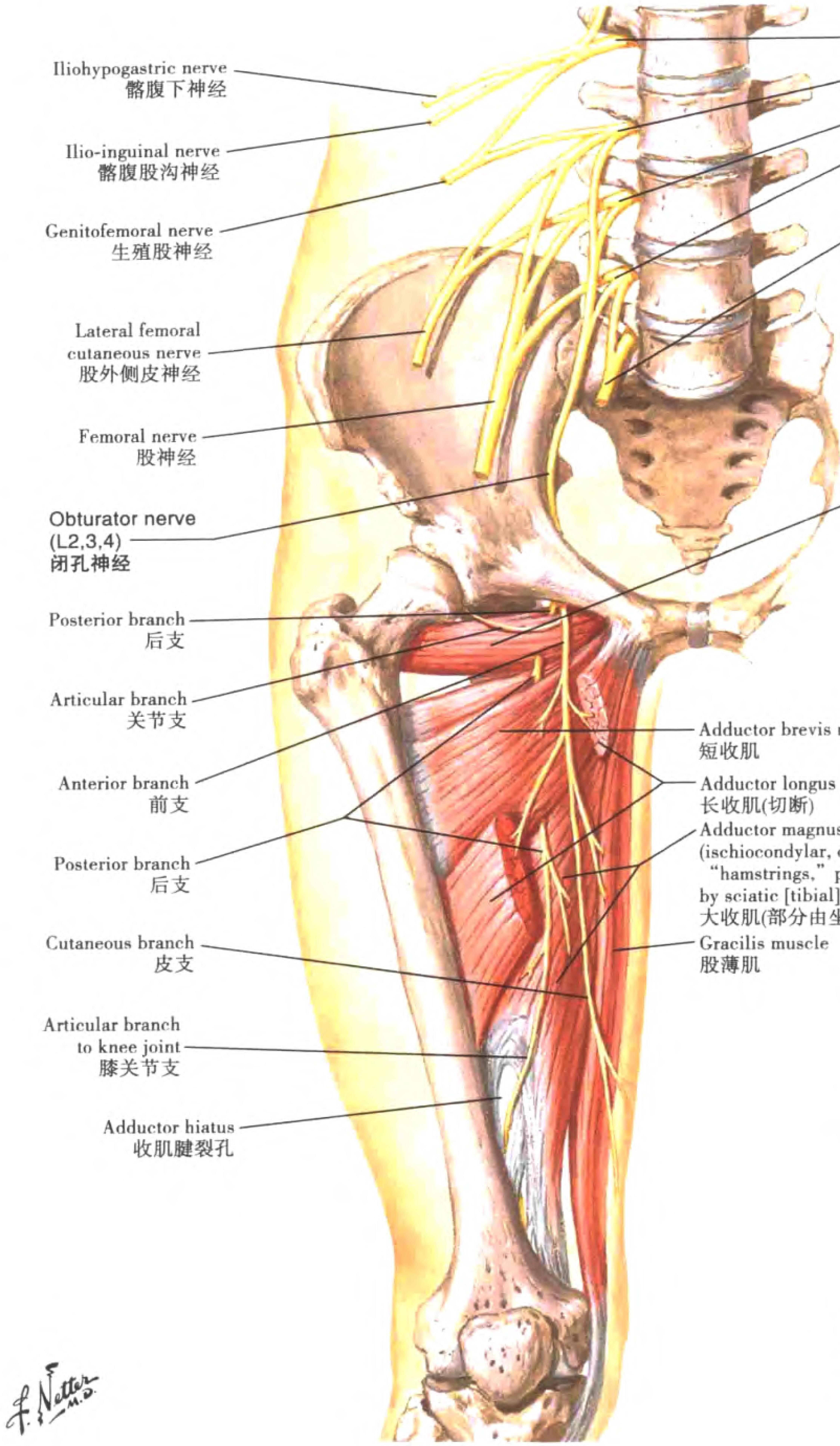
参见图 508,518



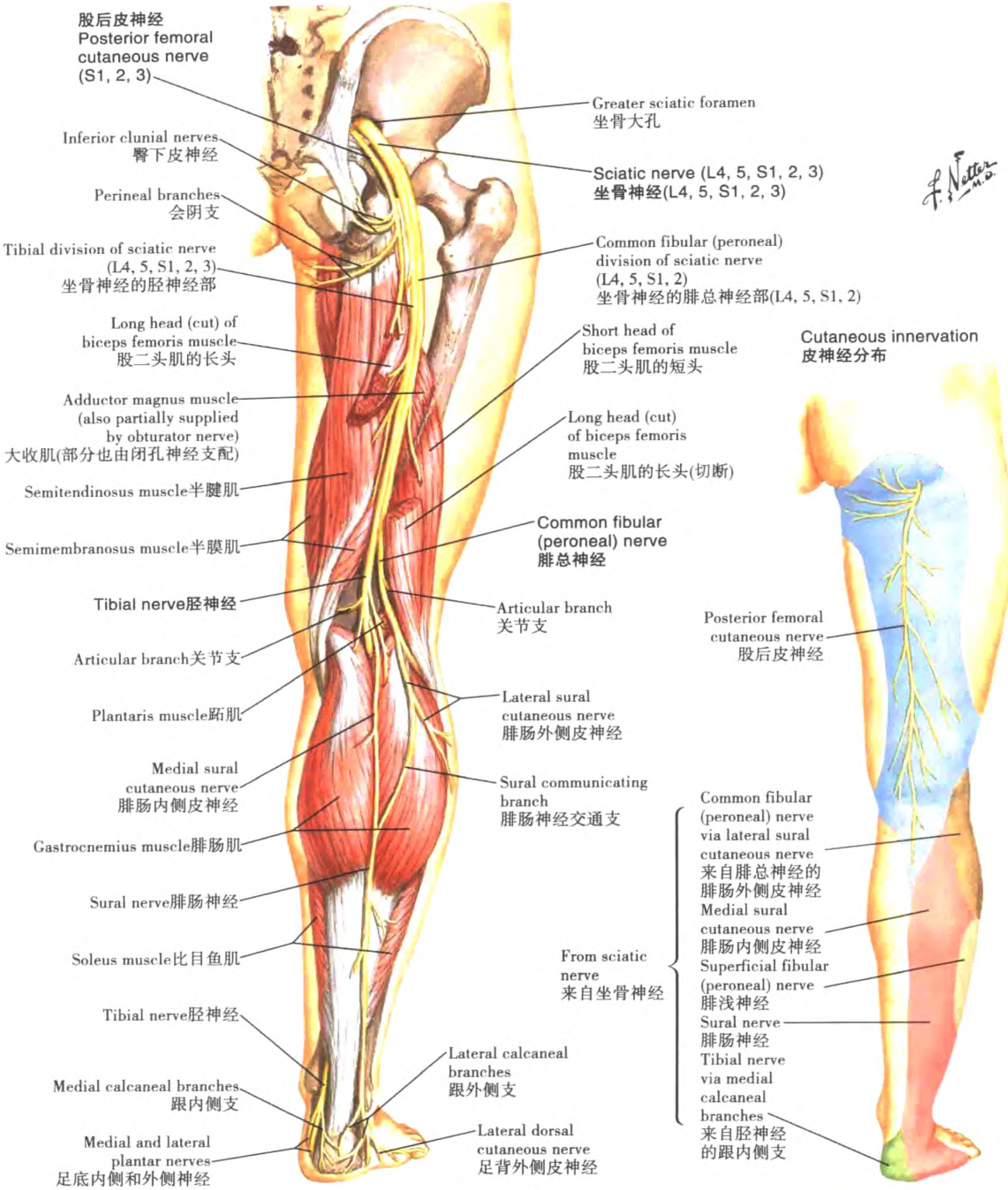


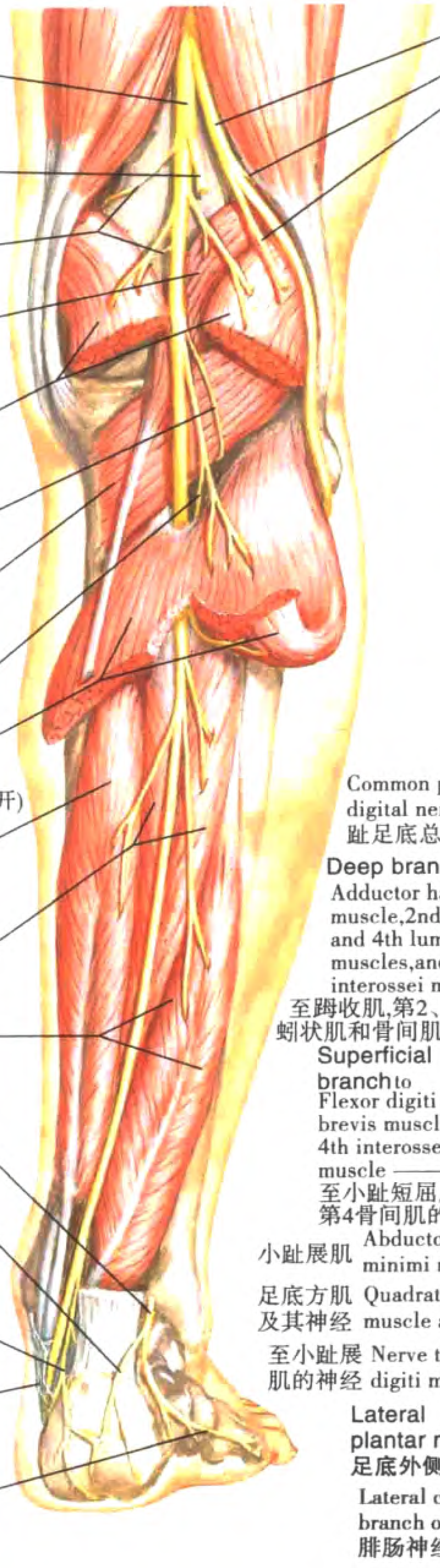

Dorsal view 足背观
Distal phalanx of great toe
跗趾的远节趾骨
Proximal phalanx of great toe
跗趾的近节趾骨
远节趾骨
Distal phalanx
Middle phalanx
中节趾骨
Proximal phalanx
近节趾骨
Little (5th) toe
小(第5)趾
1st metatarsal bone
第1跖骨
5th metatarsal bone
第5跖骨
Dorsal interossei muscles
(bipennate)
骨间背侧肌(双羽肌)
内侧
中间
外侧
Cuneiform bones
楔骨
Medial
Intermediate
Lateral
Tuberosity of 5th metatarsal bone
第5跖骨粗隆
Navicular
足舟骨
Cuboid
骰骨
Plantar view
足底观
Distal phalanx of great toe
跗趾的远节趾骨
Proximal phalanx of great toe
跗趾的近节趾骨
Sesamoid bones
籽骨
Little
(5th)
toe
小(第5)趾
Distal phalanx
远节趾骨
Middle phalanx
中节趾骨
Proximal phalanx
近节趾骨
1st metatarsal bone
第1跖骨
Plantar interossei muscles
(unipennate)
骨间足底肌(单羽肌)
5th metatarsal bone
第5跖骨
Lateral
Intermediate
Medial
Cuneiform bones
楔骨
外侧
中间
内侧
Tuberosity of 5th metatarsal bone
第5跖骨粗隆
Cuboid
骰骨
Navicular
足舟骨
F. Netter M.D.


T12
L1
L2
L3
L4
Lumbar plexus
腰丛
Lateral femoral cutaneous nerve (L2,3)
股外侧皮神经(L2,3)
Femoral nerve (L2,3,4)
股神经(L2,3,4)
Obturator nerve
闭孔神经
Iliacus muscle
髂肌
Psoas major muscle (upper part)
腰大肌(上部)
Articular branch
........关节支
Sartorius muscle
(cut and reflected)
缝匠肌(切断并翻开)
Pectineus muscle
耻骨肌
Lumbosacral trunk
腰骶干
Quadriceps femoris muscle
股四头肌
Rectus femoris muscle (cut and reflected)
股直肌(切断并翻开)
Vastus intermedius muscle
股中间肌
Vastus medialis muscle
股内侧肌
Vastus lateralis muscle
股外侧肌
Articularis genus muscle
膝关节肌
Anterior cutaneous branches of femoral nerve
股神经的前皮支
Sartorius muscle
(cut and reflected)
缝匠肌(切断并翻开)
Saphenous nerve
隐神经
Infrapatellar branch of saphenous nerve
隐神经的髌下支
Medial crural cutaneous nerves (branches of saphenous nerve)
小腿内侧皮神经(隐神经的分支)
Lateral femoral cutaneous nerve
股外侧皮神经
Note: Only muscles innervated by femoral nerve shown
注：仅示由股神经支配的肌
Cutaneous innervation
皮神经分布


Iliohypogastric nerve
髂腹下神经
Ilio-inguinal nerve
髂腹股沟神经
Genitofemoral nerve
生殖股神经
Lateral femoral cutaneous nerve
股外侧皮神经
Femoral nerve
股神经
Obturator nerve (L2,3,4)
闭孔神经
Posterior branch
后支
Articular branch
关节支
Anterior branch
前支
Posterior branch
后支
Cutaneous branch
皮支
Articular branch to knee joint
膝关节支
Adductor hiatus
收肌腱裂孔
L1
L2
L3
L4
Lumbar plexus
腰丛
Lumbosacral trunk
腰骶干
Obturator externus muscle
闭孔外肌
Note: Only muscles innervated by obturator nerve shown
注：仅示由闭孔神经支配的肌
Adductor brevis muscle
短收肌
Adductor longus muscle (cut)
长收肌(切断)
Adductor magnus muscle (ischiocondylar, or "hamstrings," part supplied by sciatic [tibial] nerve)
大收肌(部分由坐骨[胫]神经支配)
Gracilis muscle
股薄肌

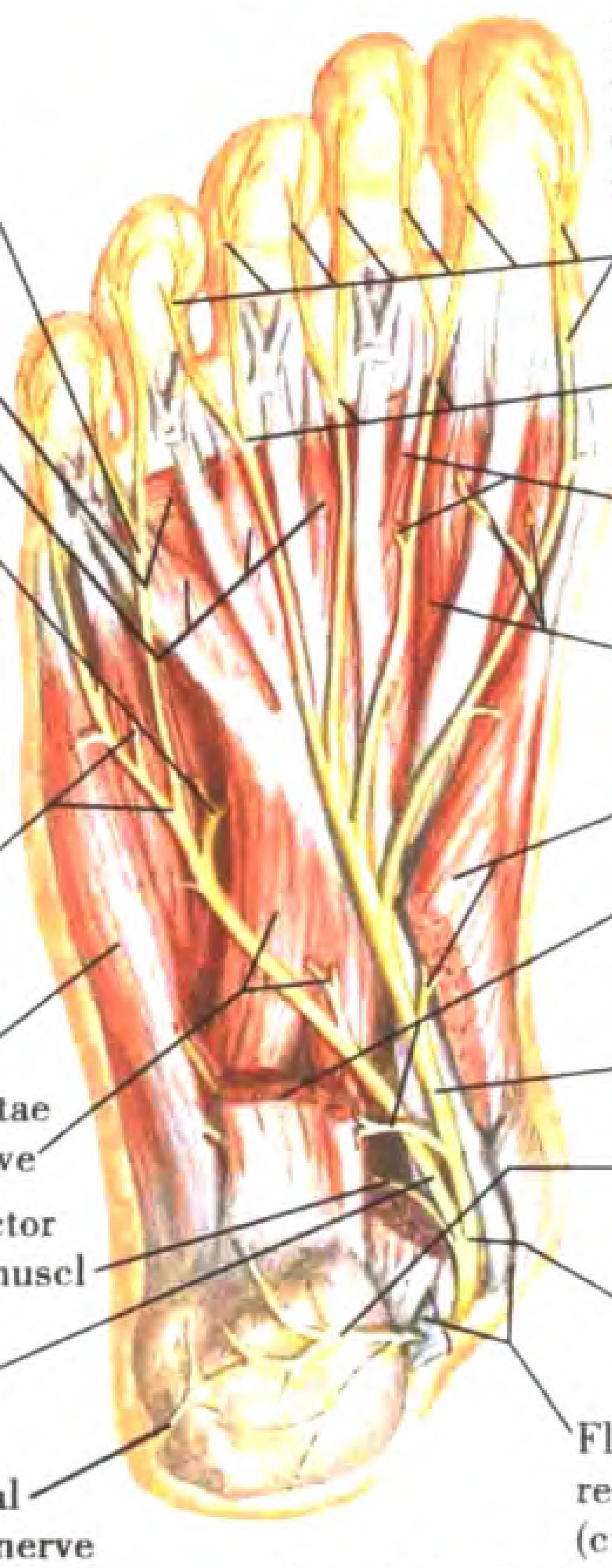

Cutaneous innervation
皮神经分布


股后皮神经
Posterior femoral cutaneous nerve (S1, 2, 3)
Inferior clunial nerves
臀下皮神经
Perineal branches
会阴支
Tibial division of sciatic nerve (L4, 5, S1, 2, 3)
坐骨神经的胫神经部
Long head (cut) of biceps femoris muscle
股二头肌的长头
Adductor magnus muscle (also partially supplied by obturator nerve)
大收肌(部分也由闭孔神经支配)
Semitendinosus muscle半腱肌
Semimembranosus muscle半膜肌
Tibial nerve胫神经
Articular branch关节支
Plantaris muscle跖肌
Medial sural cutaneous nerve
腓肠内侧皮神经
Gastrocnemius muscle腓肠肌
Sural nerve腓肠神经
Soleus muscle比目鱼肌
Tibial nerve胫神经
Medial calcaneal branches
跟内侧支
Medial and lateral plantar nerves
足底内侧和外侧神经
Greater sciatic foramen
坐骨大孔
Sciatic nerve (L4, 5, S1, 2, 3)
坐骨神经(L4, 5, S1, 2, 3)
Common fibular (peroneal) division of sciatic nerve (L4, 5, S1, 2)
坐骨神经的腓总神经部(L4, 5, S1, 2)
Short head of biceps femoris muscle
股二头肌的短头
Long head (cut) of biceps femoris muscle
股二头肌的长头(切断)
Common fibular (peroneal) nerve
腓总神经
Articular branch
关节支
Lateral sural cutaneous nerve
腓肠外侧皮神经
Sural communicating branch
腓肠神经交通支
Lateral calcaneal branches
跟外侧支
Lateral dorsal cutaneous nerve
足背外侧皮神经
Cutaneous innervation
皮神经分布
Posterior femoral cutaneous nerve
股后皮神经
From sciatic nerve
来自坐骨神经
Common fibular (peroneal) nerve via lateral sural cutaneous nerve
来自腓总神经的腓肠外侧皮神经
Medial sural cutaneous nerve
腓肠内侧皮神经
Superficial fibular (peroneal) nerve
腓浅神经
Sural nerve
腓肠神经
Tibial nerve via medial calcaneal branches
来自胫神经的跟内侧支

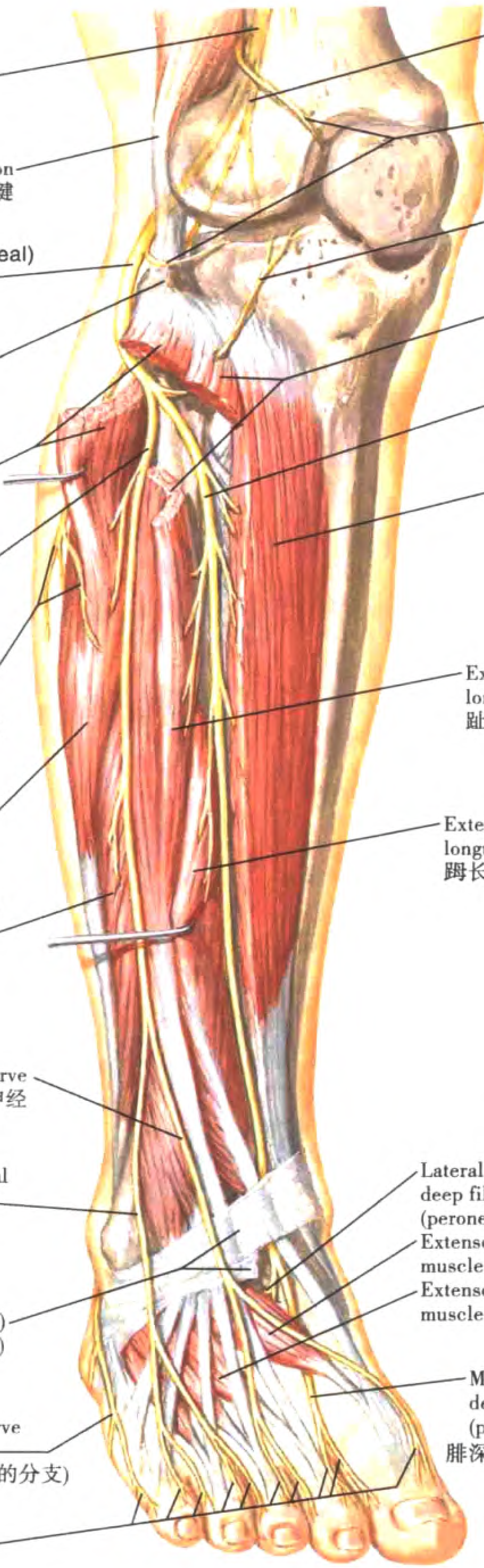




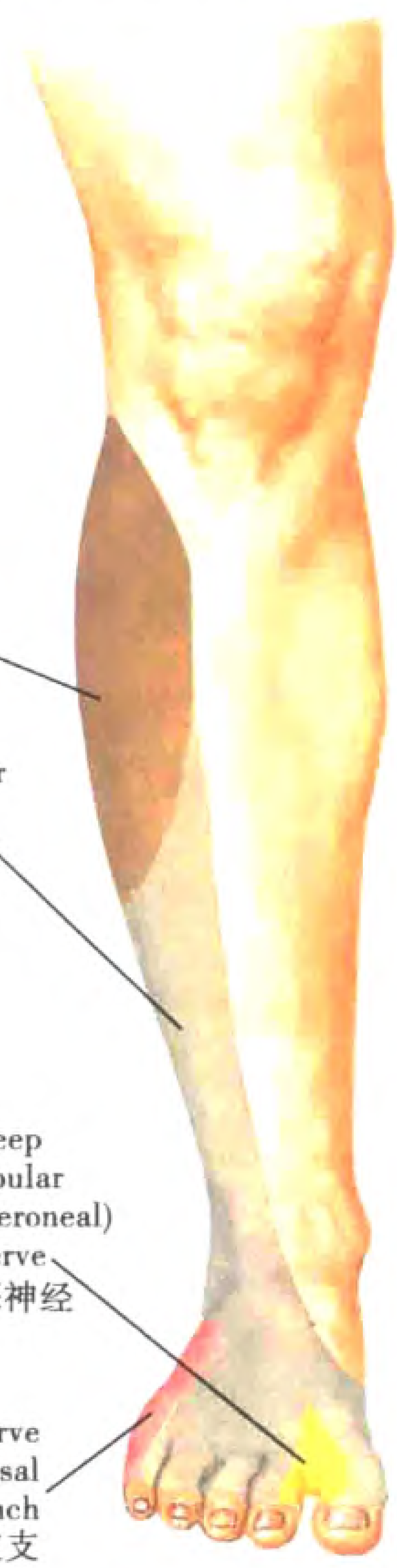
Cutaneous innervation of sole
足底的皮神经分布



Note: Articular branches not shown
注：关节支未显示



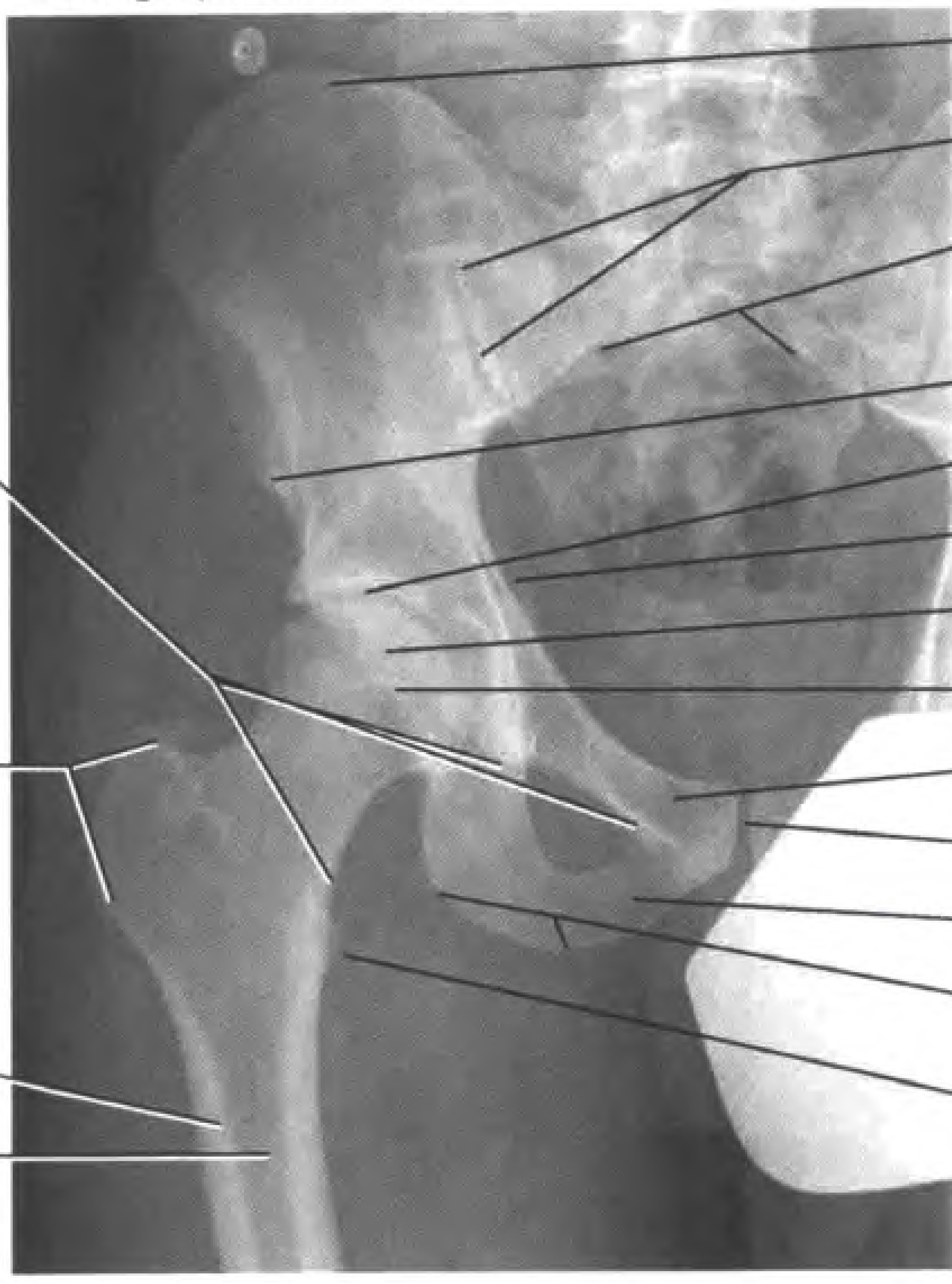
皮神经分布
Cutaneous innervation



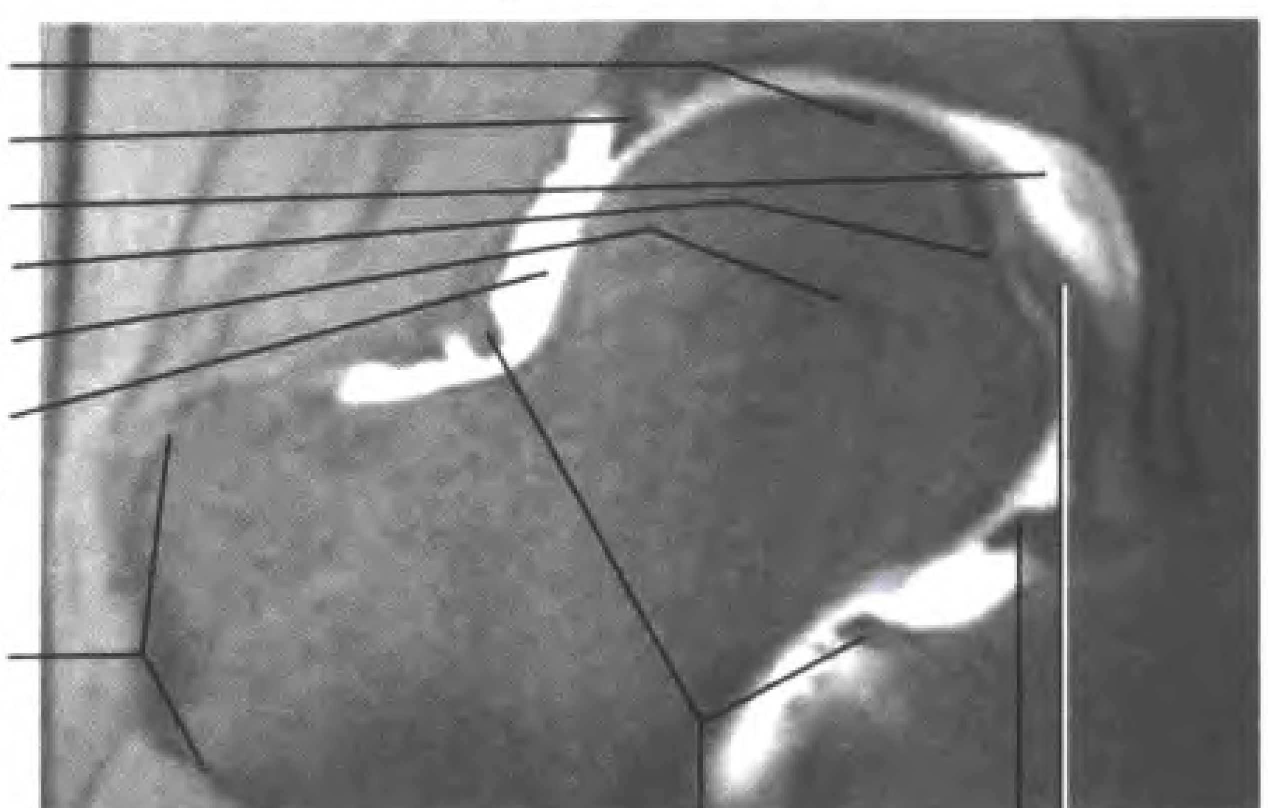
髋部 X 线成像、髋关节成像与 MRI

参见图 330,477,491

Radiograph X线成像



Arthrogram of hip 髋关节成像



MRI 磁共振成像

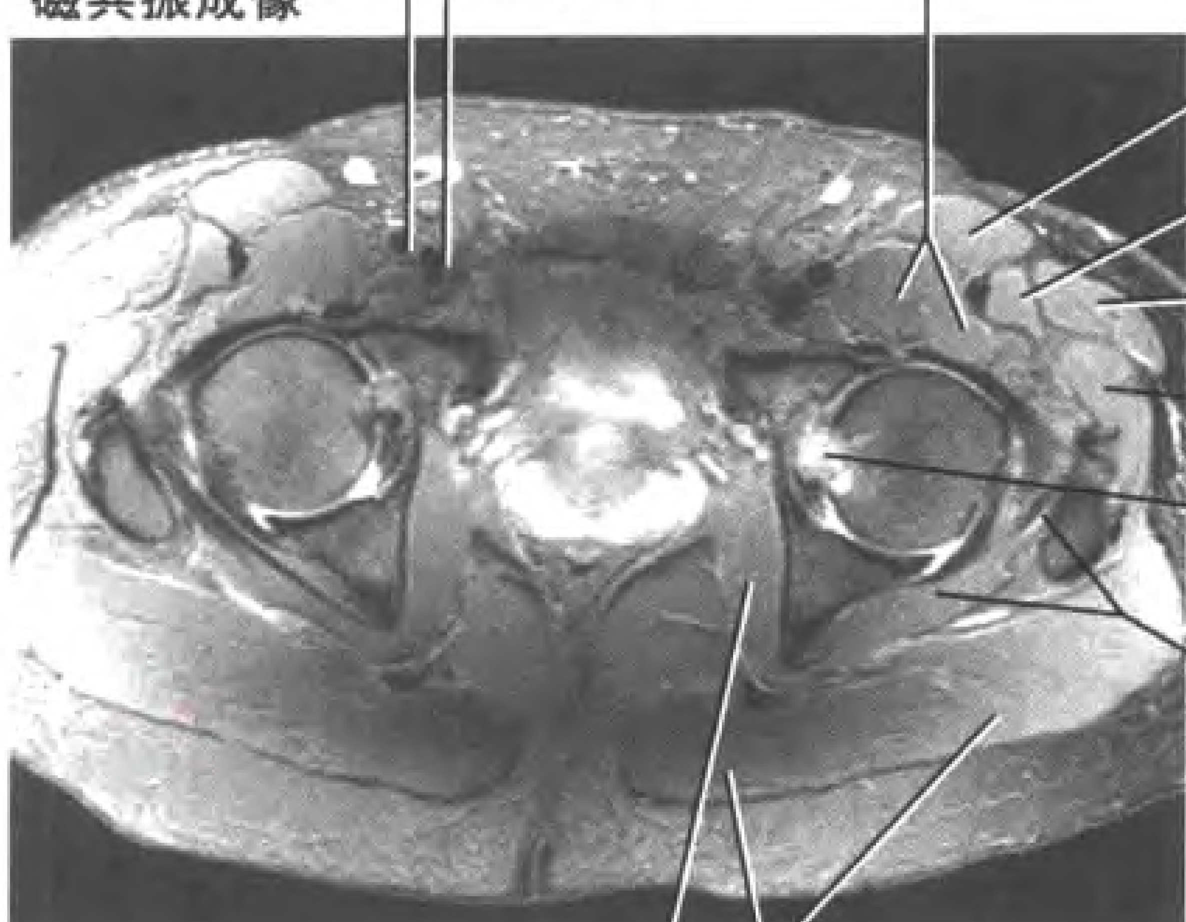


图 530 局部扫描成像


Lateral view 外侧面观
Fibula
腓骨
Tibia
胫骨
Trochlea of talus
距骨滑车
距骨头 Head of talus
Posterior process of talus
距骨后突
足舟骨 Navicular
Sustentaculum tali of calcaneus
跟骨载距突
Lateral cuneiform
外侧楔骨
Calcaneus
跟骨
骰骨 Cuboid
Tuberosity of calcaneus
跟骨结节
Tuberosity of
5th metatarsal
第5跖骨粗隆
Medial calcaneal tubercle
跟骨内侧结节


Anterior view 前面观
Tibia
胫骨
Fibula
腓骨
Medial malleolus
内踝
Talus
距骨
Lateral malleolu
外踝

骨骼肌	近端附着点（起点）	远端附着点（止点）	神经支配	主要作用	动脉血供	肌群
小趾展肌	跟骨内外侧结节、足底腱膜和肌间隔	小趾近节趾骨底外侧	足底外侧神经	屈和外展小趾	足底内外侧动脉、跖足底动脉和趾足底动脉至小趾的分支	足肌
踇展肌	跟骨内侧结节、屈肌支持带和足底腱膜	踇趾近节趾骨底	足底内侧神经	外展和屈踇趾	足底内侧动脉和第一跖足底动脉	足肌
短收肌	耻骨下支和耻骨体	耻骨粗线和股骨粗线近侧	闭孔神经	髋内收、微屈	股深动脉、旋股内侧动脉和闭孔动脉	大腿内侧群
踇收肌	斜头：第2、3、4跖骨底 横头：第3、4、5趾跖趾关节韧带	踇趾近节趾骨底外侧肌腱（内侧头和外侧头）	足底外侧神经深支	内收踇趾，维持足底横弓	足底内外侧动脉、足底弓动脉、跖足底动脉	足肌
长收肌	耻骨嵴后方的耻骨体	股骨粗线内侧唇中1/3部	闭孔神经前支	髋内收	股深动脉和旋股内侧动脉	大腿内侧群
大收肌	耻骨下支、坐骨支 腘绳肌腱部分： 坐骨神经（胫侧分支）	臀肌粗隆、粗线、内侧髁上线 腘绳肌腱部分：股骨收肌结节	内收部分：闭孔神经 腘绳肌腱部分：坐骨神经（胫侧分支）	内收部分：内收、屈髋 腘绳肌部分：伸髋	股动脉、股深动脉和闭孔动脉	大腿内侧群
膝关节	股骨远侧前面	髌上囊	股神经	伸膝并向上牵拉髌上囊	股动脉	大腿前群
股二头肌	长头：坐骨结节 短头：股骨粗线和股骨外侧髁上线	腓骨头外侧	长头：坐骨神经（胫侧分支）（L5～S2） 短头：坐骨神经 腓总神经分支	屈膝、外旋小腿；伸髋	股深动脉穿支、臀下动脉和旋股内侧动脉	大腿后群
骨间背侧肌（四块肌）	第1至第5跖骨的相对缘	第1块：第2近节趾骨内侧 第2～4块：第2～4趾骨外侧	足底外侧神经	外展第2～4趾、屈跖趾关节、伸趾骨间关节	弓状动脉 足背动脉 跖足底动脉	足肌
趾短伸肌和踇短伸肌	跟骨上外侧面、距跟外侧韧带、交叉韧带	第一条肌腱：踇趾近节趾骨底背侧 其他三条肌腱参与到趾长伸肌腱的外侧至2～4趾	腓深神经	辅助趾长伸肌伸跖趾关节和趾间关节	足背动脉 跗外侧动脉 弓状动脉 和腓动脉	大腿前群

在人体中，骨骼肌的脊神经支配、起止点和主要作用的变异十分常见。因此，各书中描述略有不同，这种解剖学上的变异是正常现象。

骨骼肌	近端附着点（起点）	远端附着点（止点）	神经支配	主要作用	动脉血供	肌群
趾长伸肌	胫骨外侧髁、骨间膜和腓骨前侧面上 3/4	2～5 趾中节和远节趾骨底	腓深神经	伸 2～5 趾、足背屈	胫前动脉	小腿前群
踇长伸肌	腓骨前侧面中份和骨间膜	踇趾远节趾骨底背侧	腓深神经	伸踇趾、足背屈	胫前动脉	小腿前群
腓骨短肌	腓骨外侧面下 2/3	第 5 跖骨外侧背面的跖骨粗隆	腓浅神经	足微跖屈、足外翻	胫前动脉和腓动脉	小腿外侧群
腓骨长肌	腓骨头和腓骨外侧面上 2/3	内侧楔骨，第 1 跖骨底	腓浅神经	足微跖屈、足外翻	胫前动脉和腓动脉	小腿外侧群
第 3 腓骨肌	腓骨前面下 1/3 部及骨间膜	第 5 跖骨底背面	腓深神经	足背屈、足外翻	胫前动脉	小腿前群
小趾短屈肌	第 5 跖骨底	小趾近节趾骨底	足底外侧神经浅支	屈小趾近节趾骨	足底外侧动脉、趾足底动脉至小趾的分支、弓状动脉	足肌
趾短屈肌	跟骨内侧结节、足底腱膜和肌间隔	第 2～5 趾中节两侧	足底内侧神经	屈第 2～5 趾	足底内外侧动脉、足底动脉弓、趾足底动脉和跖足底动脉	足肌
趾长屈肌	胫骨后面内侧，比目鱼肌线下方	第 2～5 趾远节趾骨底	胫神经	屈 2～5 趾、跖屈、支持足纵弓	胫后动脉	小腿后群
踇短屈肌	骰骨足底面和楔骨外侧	踇趾近节趾骨底两侧	足底内侧神经	屈踇趾近节	足底内侧动脉、第 1 跖足底动脉	足肌
踇长屈肌	腓骨后面下 2/3 和骨间膜	踇趾远节趾骨底	胫神经	屈踇趾所有关节；微跖屈	腓动脉	小腿后群
腓肠肌	外侧头：股骨外侧髁外侧面 内侧头：股骨内侧髁上面的腘面	合为跟腱止于跟骨后面	胫神经	足跖屈、辅助屈膝、走路时提踝	腘动脉和胫后动脉	小腿后群
臀大肌	髂骨后面至臀后线、骶骨和尾骨后面和骶结节韧带	大部分纤维至于髂胫束，最终至于胫骨外侧髁，部分纤维至于股骨臀肌粗隆	臀下神经	伸髋；辅助大腿外展、外旋	主要为臀下动脉，有时由臀上动脉供血	臀区

骨骼肌	近端附着点（起点）	远端附着点（止点）	神经支配	主要作用	动脉血供	肌群
臀中肌	髂骨外侧（臀前线及臀后线之间）	股骨大转子外侧面	臀上神经	外展、内旋髋关节；一条腿抬起时将骨盆稳定在另一条腿上	臀上动脉	臀区
臀小肌	髂骨外侧（臀前线及臀下线之间）	股骨大转子前侧面	臀上神经	外展、内旋髋关节；一条腿抬起时将骨盆稳定在另一条腿上	臀上动脉主干和深支	臀区
股薄肌	耻骨下支和耻骨体	胫骨上端内侧面	闭孔神经	内收大腿、屈膝和内旋小腿	股深动脉、旋股内侧动脉	大腿内侧群
髂肌	髂窝上 2/3、髂嵴、骶翼、前骶髂韧带	股骨小转子及其后的股骨干，至腰大肌腱	股神经	屈髋、稳定髋关节，与腰大肌协同运动	髂腰动脉髂支	大腿前群
下孖肌	坐骨结节	股骨大转子内侧面	至股方肌的神经	使已伸的髋关节旋外	旋股内侧动脉	臀区
蚓状肌	趾长屈肌腱	第 2～5 趾背腱膜内侧面	内侧 1 块：足底内侧神经 外侧 3 块：足底外侧神经	屈跖趾关节近节；伸近端和远端趾间关节	足底外侧动脉和跖足底动脉	足肌
闭孔外肌	闭孔边缘、闭孔膜	股骨转子窝	闭孔神经	髋外旋、稳定髋臼内的股骨头	旋股内侧动脉、闭孔动脉	大腿内侧群
闭孔内肌	闭孔膜盆侧面及其周围骨面	股骨大转子内侧面	至闭孔内肌的神经	使已伸的髋关节旋外、使已屈的髋关节外展	阴部内动脉和闭孔动脉	臀区
耻骨肌	耻骨上支	股骨肌线	股神经 少数为闭孔神经	内收髋、屈髋	旋股内侧动脉、闭孔动脉	大腿内侧群
梨状肌	骶骨 2～4 节前面、骶结节韧带	股骨大转子上缘	L5、S1、S2 腹侧支	使已伸的髋关节旋外、使已屈的髋关节外展	臀上和臀下动脉、阴部内动脉	臀区
骨间足底肌	第 3～5 跖骨内侧面和跖骨底	第 3～5 近节趾骨底内侧半	足底外侧神经	内收第 2～4 趾、屈跖趾关节、伸趾	足底外侧动脉、足底弓、跖足底动脉和趾足底动脉	足
跖肌	股骨外侧髁上线下端、腘斜韧带	经跟腱到跟骨后面	胫神经	辅助腓肠肌	腘动脉	小腿后群
腘肌	股骨外侧髁外侧面、外侧半月板	胫骨后比目鱼肌以上骨面	胫神经（L4～S1）	微屈膝，通过在固定的胫骨上转动股骨活动膝关节	膝上内侧和外侧动脉	小腿后群
腰大肌	T12～L5 腰椎体侧面、腰椎横突，并插入椎间盘	股骨小转子	第一腰神经腹侧支	向上运动与髂肌协同屈髋；向下运动向外侧屈曲脊柱；在坐位保持躯干平衡；向下运动与髂肌前屈躯干	髂腰动脉腰支	大腿前群
股方肌	坐骨结节外缘	股骨转子间嵴上的方形结节	至股方肌的神经	外旋髋关节	旋股内侧动脉	臀区

骨骼肌	近端附着点（起点）	远端附着点（止点）	神经支配	主要作用	动脉血供	肌群
足底方肌	跟骨足底面内外侧	趾长屈肌腱后外侧缘	足底外侧神经	纠正趾长屈肌腱的斜向牵拉作用；辅助屈趾	足底内外侧动脉和足底深弓	足肌
股直肌（股四头肌）	髂前下棘和髋臼上方的髂骨	经髌韧带至髌骨底和胫骨粗隆	股神经	伸膝关节、屈髋	股深动脉和旋股外侧动脉	大腿前群
缝匠肌	髂前上棘及其下方的切迹上部	胫骨上端内侧面	股神经	外展、外旋、屈髋；屈膝	股动脉	大腿前群
半膜肌	坐骨结节	胫骨内侧髁后面	坐骨神经（胫侧分支）	屈膝、伸髋	股深动脉穿支和旋股内侧动脉	大腿后群
半腱肌	坐骨结节	胫骨上端内侧	坐骨神经（胫侧分支）	屈膝、伸髋	股深动脉穿支和旋股内侧动脉	大腿后群
比目鱼肌	腓骨头后面、腓骨后表面近端1/4、胫骨比目鱼肌线	经跟腱至跟骨后面	胫神经	跖屈、将小腿稳定在足上	腘动脉、胫后动脉和腓动脉	小腿后群
上孖肌	坐骨棘外表面	股骨大转子内侧面	至闭孔内肌的神经	外旋已伸的髋关节	臀下动脉和阴部内动脉	臀区
阔筋膜张肌	髂前上棘和髂嵴上面	移行于髂胫束止于胫骨外侧髁	臀上神经	外展、内旋和屈髋；辅助膝关节保持伸位	旋股外侧动脉升支	臀区
胫骨前肌	胫骨外侧髁、胫骨外侧上半部、骨间膜	内侧楔骨足底内侧面和第一跖骨的足底面	腓深神经	背屈、足内翻	胫前动脉	小腿前群
胫骨后肌	胫骨比目鱼肌线下方后面，骨间膜，腓骨后面上半部	足舟骨粗隆，所有楔骨，骰骨和第2～4跖骨底	胫神经	跖屈、足内翻	腓动脉	小腿后群
股中间肌（股四头肌）	股骨干前面和外侧面	经髌韧带至髌骨底和胫骨粗隆	股神经	伸膝	旋股外侧动脉和股深动脉	大腿前群
股外侧肌（股四头肌）	股骨大转子、股骨粗线外侧唇	经髌韧带至髌骨底和胫骨粗隆	股神经	伸膝	旋股外侧动脉和股深动脉	大腿前群
股内侧肌（股四头肌）	转子间线、股骨粗线内侧唇	经髌韧带至髌骨底和胫骨粗隆	股神经	伸膝	股动脉和股深动脉	大腿前群

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Lang J. Clinical Anatomy of the Nose, Nasal Cavity, and Paranasal Sinuses. Thieme Medical Publishers, New York, 1989.

Plates 19-21
Baccetti T, Franchi L, McNamara J Jr. The cervical vertebral maturation (CVM) method for the assessment of optimal treatment timing in dentofacial orthopedics. Semin Orthod 2005;11:119-29.

Roman PS. Skeletal maturation determined by cervical vertebrae development. Eur J Orthod 2002;24:303-11.

Plate 23
Tubbs RS, Kelly DR, Humphrey ER, et al. The tectorial membrane: anatomical, biomechanical, and histological analysis. Clin Anat 2007;20:382-6.

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Noden DM, Francis-West P. The differentiation and morphogenesis of craniofacial muscles. Dev Dyn 2006;235: 1194-218.

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Tubbs RS, Salter EG, Oakes WJ. Anatomic landmarks for nerves of the neck: a vade mecum for neurosurgeons. Neurosurgery 2005;56:256-60.

Plate 48
Benninger B, Lee BI. Clinical importance of morphology and nomenclature of distal attachment of temporalis tendon. J Maxillofac Surg 2012;70:557-61.

Plates 50, 58
Benninger B, Kloenne J, Horn JL. Clinical anatomy of the lingual nerve and identification with ultrasonography. Br J Oral Maxillofac Surg 2013;51:541-4.

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Benninger B, Andrew K, Carter B. Clinical measurements of hard palate and implications for subepithelial connective tissue grafts with suggestions for palatal nomenclature. J Oral Maxillofac Surg 2012;70:149-53.

Plates 65, 95, 96
Kierner AC, Mayer R, v Kirschlhofer K. Do the tensor tympani and tensor veli palatini muscles of man form a functional unit? A histochemical investigation of their putative connections. Hear Res 2002;165:48-52.

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Benninger B, Barrett R. A head and neck lymph node classification using an anatomical grid system while maintaining clinical relevance. J Oral Maxillofac Surg 2011;69: 2670-3.

Plates 80-82
Ludlow CL. Central nervous system control of the laryngeal muscles in humans. Respir Physiol Neurobiol 2005;147: 205-22.

Plates 102-116
Rhoton AL. Cranial Anatomy and Surgical Approaches. Congress of Neurological Surgeons, Schaumburg, IL, 2003.

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Tubbs RS, Hansasuta A, Loukas M, et al. Branches of the petrous and cavernous segments of the internal carotid artery. Clin Anat 2007;20:596-601.

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Schrott-Fischer A, Kammen-Jolly K, Scholtz AW, et al. Patterns of GABA-like immunoreactivity in efferent fibers of the human cochlea. Hear Res 2002;174:75-85.

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Tubbs RS, Loukas M, Slappy JB, et al. Clinical anatomy of the C1 dorsal root, ganglion, and ramus: a review and anatomical study. Clin Anat 2007;20:624-7.

Plate 162
Lee MWL, McPhee RW, Stringer MD. An evidence-based approach to human dermatomes. Clin Anat 2008;21: 363-73.

Plates 162, 399, 469, 513
Forester O. The dermatomes in man. Brain 1933; 56:1-39.

Garrett FD. The segmental distribution of the cutaneous nerves in the limbs of man. Anat Rec 1948;102:409-37.

Keegan JJ. Dermatome hypalgesia with posterolateral herniation of lower cervical intervertebral disc. J Neurosurg 1947;4:115-39.

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Turnball IM. Bloody supply of the spinal cord. In Vinken PJ, Bruyn GW (eds). Handbook of Clinical Neurology, XII. Amsterdam, 1972, pp 478-91.

Plate 169
Stringer MD, Restieaux M, Fisher AL, Crosado B. The vertebral venous plexuses: the internal veins are muscular and external veins have valves. Clin Anat 2012;25:609-18.

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Tubbs RS, Mortazavi MM, Loukas M, et al. Anatomical study of the third occipital nerve and its potential role in occipital headache/neck pain following midline dissections of the craniocervical junction. J Neurosurg Spine 2011; 15:71-5.

Plates 179-181
Hassiotou F, Geddes D. Anatomy of the human mammary gland: current status of knowledge. Clin Anat 2013;26: 29-48.

Plates 197, 198
Jackson CL, Huber JF. Correlated applied anatomy of the bronchial tree and lungs with a system of nomenclature. Dis Chest 1943;9:319-26.

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Ikeda S, Ono Y, Miyazawa S, et al. Flexible bronchofiberscope. Otolaryngology (Tokyo) 1970;42:855.

Plate 215
Angelini, P, Velasco JA, Flamm S. Coronary anomalies: incidence, pathophysiology, and clinical relevance. Circulation 2002;105:2449-54.

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Chiu IS, Anderson RH. Can we better understand the known variations in coronary arterial anatomy? Ann Thorac Surg 2012;94:1751-60.

Plate 222
James TN. The internodal pathways of the human heart. Prog Cardiovasc Dis 2001;43:495-535.

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Hildreth V, Anderson RH, Henderson DJ. Autonomic innervation of the developing heart: origins and function. Clin Anat 2009;22:36-46.

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Ang HJ, Gill YC, Lee WJ, et al. Anatomy of thoracic splanchnic nerves for surgical resection. Clin Anat 2008;21:171-7.

Plate 279
Elias H. Morphology of the Liver. New York, Academic Press, 1969.

MacSween RNM, Anthony PP, Scheuer PJ, et al (eds). Pathology of the Liver. London, Churchill Livingstone, 2002.

Robinson PJ. MRI of the Liver: A Practical Guide. New York, Taylor & Francis, 2006.

Plates 283, 284
Odze RD. Surgical Pathology of the GI Tract, Liver, Biliary Tract, and Pancreas. Philadelphia, Saunders, 2004.

Plate 305
Thomas MD. In The Ciba Collection of Medical Illustrations, vol 3, part II. Summit, NJ, CIBA, p 78.

Plates 321, 344, 362, 374, 392
Stormont TJ, Cahill DR, King BF, Myers RP. Fascias of the male external genitalia and perineum. Clin Anat 1994;7: 115-24.

Plates 335, 340, 346, 350, 355, 356
Oelrich TM. The striated urogenital sphincter muscle in the female. Anat Rec 1983;205:223-32.

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Myers RP, Goellner JR, Cahill DR. Prostate shape, external striated urethral sphincter, and radical prostatectomy: the apical dissection. J Urol 1987;138:543-50.

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Oelrich TM. The urethral sphincter muscle in the male. Am J Anat 1980;158:229-46.

Plate 381
Flocks RH, Kerr HD, Elkins HB, et al. Treatment of carcinoma of the prostate by interstitial radiation with radio-active gold (Au 198): A preliminary report. J Urol 1952;68:510-22.

Plate 399
Keegan JJ, Garrett FD. The segmental distribution of the cutaneous nerves in the limbs of man. Anat Rec 1948;102:409.

Plate 469
Keegan JJ. Neurological interpretation of dermatome hypalgesia with herniation of the lumbar intervertebral disc. J Bone Joint Surg Am 1944;26:238-48.

Last RJ. Innervation of the limbs. J Bone Joint Surg Br 1949;31:452.

索引按英文名称字母排序。词汇后数字对应图谱中的图号，其中大多数解剖结构的英文以单数形式列出。

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奈 特
人体解剖学彩色图谱
NETTER'S ATLAS OF HUMAN ANATOMY

第 6 版

本书译自原版**Netter's Atlas of Human Anatomy**, 并由Elsevier授权出版

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销售分类／解剖学

策划编辑 刘 歆
责任编辑 刘 歆
封面设计 大漢方圓 李 蹊
版式设计 陈 朊

ISBN 978-7-117-21029-4

定 价：280.00元

人卫社官网 www.pmph.com 出版物查询，在线购书
人卫医学网 www.ipmph.com 医学考试辅导，医学数据库服务，医学教育资源，大众健康资讯